POOR WILL'S
ALMANACK,
FOR THE
YEAR OF OUR LORD, 1791;
BEING THE THIRD AFTER LEAP-YEAR.

CONTAINING,

THE MOTIONS OF THE SUN AND MOON;
The true Places and Aſpects of the Planets;
THE RISING, SETTING, AND DECLINATION OF THE SUN;
The Riſing, Setting, and Southing of the Moon;
THE
NATIONS, CONJUNCTIONS, AND ECLIPSES;
ſing, Setting, and Southing of the Planets, and noted fixed Stars.
THE EQUATION OF TIME;
ime of High-Water, Morn. and Even. at Philadelphia;
ngth of Days; Feſtivals, and other Remarkable Days;
Yearly Meetings of the People called Quakers; Courts;
Table ſhewing the Value and Weight of Coins; Tables
of Intereſt; Table ſhewing the Value of Dollars, Crowns,
and Guineas; Scale of Depreciation; Roads, &c. &c.

ALSO,

Variety of Eſſays in PROSE and VERSE.

THE ASTRONOMICAL CALCULATIONS
BY WILLIAM WARING.

PHILADELPHIA:
NTED AND SOLD BY *JOSEPH CRUKSHANK*, IN MARKET-STREET, BETWEEN SECOND AND THIRD-STREETS.

NOTES to the READER.

FIRST. The calculations of this Almanack are made to ſolar or apparent time: add the equation, when the ſun is ſlow; ſubtract, when faſt, for the mean, or clock-time.

II. The high-water at Philadelphia is computed for the morning of each day; to which add 24 min. for that of the afternoon, when accurate is required.

III. The ſun's declination (the ſeventh column) is fitted to the meridian of Philadelphia, for the convenience of American mariners, &c. And having the riſing, ſetting, or ſouthing of any fixed ſtar, for a particular day, the ſame may be eaſily known for ſeveral days backward and forward from that given, by adding 4 m. for every day before, and ſubtracting as much for each day after it: *e. g.* on the 4th of the firſt month (January) Sirius is ſouth at 33m. paſt 11; adding 12m. for 3 days ſooner, we have 11 h. 45 m. for the ſouthing on the 1ſt, and deducting 8m. for 2 later, 11 h. 25m. for that of the 6th of the ſame month, &c. &c.

V. The time of Alioth's paſſage over the meridian, or when a plumb-line apparently cuts both the pole ſtar and Alioth, is given, for the firſt ſix months, above the pole, and for the laſt ſix below it, to five days in each month, and is quickly known for any day, by the preceding note. Theſe two ſtars will be viſibly coincident with a level eaſt and weſt line at 5h. 59m. before or after Alioth paſſes the meridian; but, for common uſe, ſay ſix hours. Thus we may regulate time-pieces to a minute, or tell the time without them. The pole ſtar is on the meridian four minutes later than Alioth, when a true meridian line may be drawn by it, and the magnetic variation thereby determined, &c.

Alioth is the firſt ſtar in the tail of the Great Bear, *viz.* that next to the ſquare; or, it is the third ſtar of the ſeven commonly called the Waggon or Plough, counting toward thoſe two of them which are denominated the Pointers.

VI. As the day ends at midnight, the riſing, ſetting, and ſouthing of the moon, when after that time, is found againſt the ſucceeding day: ſo, on the night of (or following) the 15th of the firſt month (January) the moon ſets at 3h. 52m. after midnight, *viz.* in the morning of the 16th, not at 2h. 59m. the time oppoſite the 15th, which is that of its riſing the preceding morning.

VII. The longitude of the newly diſcovered planet, called Georgium Sidus (or Herſchell) is arranged in its proper place, at the head of the page in each month, under this character (✻). And the place of the moon's aſcending node under this (☊).

To aſcertain the Time of Night by the Moon's Shadow on a Sun-Dial.

TO the time indicated by the ſhadow, add the moon's ſouthing, and the ſum, when under 12h. or the exceſs thereof above 12, will be the time of night, nearly. But, when neceſſary to be more exact, for every hour the ſhadow is diſtant from 12, on either ſide of the ſtyle, count 2 min. which, when the ſhadow falls among the forenoon hours, are to be ſubtracted from the time found as above; when among thoſe of the afternoon, to be added, for the true time.

3 0059

The ANATOMY of Man's Body as ſaid to be governed by the Twelve CONSTELLATIONS.

♈ Aries, the Head and Face.

♉ Taurus, Neck.

♊ Gemini, Arms.

♋ Cancer, Breaſt.

♌ Leo, Heart.

♍ Virgo, Bowels.

♎ Libra, Reins.

♏ Scorpio, Secrets.

♐ Sagittarius, Thighs.

♑ Capricorn, Knees.

♒ Aquarius, Legs.

♓ Piſces, the Feet.

To know where the Sign is. Firſt find the day of the month, and againſt it the ſign or place of the moon, in the eighth column. Then finding the ſign here, it ſhews the part of the body it is ſaid to govern.

We have inſerted the above, and the prognoſtics of the weather, according to the moſt approved methods; but think it proper to inform our readers, that, in this enlightened age, the learned put but little confidence in them.

Characters explained.

● New Moon	☉ or ☼ Sun	☿ Mercury
○ Full Moon	♄ Saturn	✶ Georgi. Sidus
☽ Firſt Quarter	♃ Jupiter	☌ Conjunction
☾ Laſt Quarter	♂ Mars	☍ Oppoſition
☊ Moon's aſc. node	♀ Venus	□ Quartile

Common Notes and Moveable Feaſts for the Year 1791.

Dominical Letter	B	Eaſter Sunday	April 24
Golden Number	6	Aſcenſion	June 2
True Epact	26	Whit Sunday	June 12
Cycle of the Sun	8	Advent	Nov. 27

JANUARY. First Month.

SOLILOQUY, suggested by Deut. xxx. 20.

He is thy Life and the Length of thy Days.

O'Erflowing fource of wifdom, life and grace,
Thy Spirit fill'ſt infinity of ſpace!
Thy ſov'reign word created heav'n and earth,
And gave all animated being birth;
Whate'er in Nature's book hath found a place,
Or now exiſts in any part of ſpace,

		Remarkable days, &c.	☉ri.	☉ſet	☉ ſlo.	☉ S.	☽pl.
1	7	Circumciſion. ♂ ☉ ♀	7 23	4 37	4 14	22 59	♐ 1
2	B	7*s ſouth 8 41	7 23	4 37	4 42	22 53	15
3	2	*Windy and*	7 22	4 38	5 10	22 47	♑ 0
4	3	Sirius ſouth 11 33	7 22	4 38	5 37	22 41	14
5	4	*cold;*	7 21	4 39	6 4	22 34	28
6	5	Epiphany.	7 21	4 39	6 30	22 27	♒ 12
7	6	♃ riſes 10 47	7 20	4 40	6 56	22 19	26
8	7	*but now more*	7 20	4 40	7 22	22 11	♓ 9
9	B	Days increaſe 12 m.	7 19	4 41	7 47	22 3	21
10	2	*moderate;*	7 19	4 41	8 11	21 54	♈ 4
11	3	Arcturus riſes 11 21	7 18	4 42	8 35	21 44	16
12	4	Day 9 24	7 18	4 42	8 58	21 35	28
13	5	☽ in Apogee.	7 17	4 43	9 21	21 24	♉ 10
14	6	Bull's eye ſouth 8 36	7 16	4 44	9 42	21 14	21
15	7	*like for*	7 15	4 45	10 3	21 3	♊ 3
16	B	♃ Stationary.	7 15	4 45	10 24	20 51	15
17	2	Days increaſe 22 m.	7 14	4 46	10 43	20 39	28
18	3	*ſnow or rain;*	7 13	4 47	11 2	20 27	♋ 10
19	4	☉ enters ♒. ☿ gr. el.	7 12	4 48	11 20	20 14	23
20	5	*clear and cold,*	7 11	4 49	11 38	20 1	♌ 6
21	6	✳ ſouth 12 43	7 10	4 50	11 54	19 48	20
22	7	Vincent.	7 9	4 51	12 10	19 34	♍ 3
23	B	Spica ♍ riſes 11 24	7 8	4 52	12 25	19 20	17
24	2	*with hard*	7 7	4 53	12 39	19 6	♎ 1
25	3	☿ Stationary.	7 6	4 54	12 53	18 51	15
26	4	♃ riſes 9 25	7 5	3 55	13 6	18 36	29
27	5	Day 9 52, ☽ in Perig.	7 4	4 56	13 17	18 20	♏ 13
28	6	*froſts.*	7 3	4 57	13 28	18 4	27
29	7	Sirius ſouth 9 47	7 2	4 58	13 39	17 48	♐ 11
30	B	Spica ♍ riſes 10 55	7 2	4 58	13 49	17 32	25
31	2	♂ ☉ ✳	7 1	4 59	13 58	17 15	♑ 9

JANUARY, First Month, *hath* 31 *Days.*

New ● 4 11 32 M.
First ☽ 12 0 37 M.
Full ○ 20 0 47 M.
Last ◐ 27 2 12 M.
D. H. M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	♅	☽'s Age	●'s Lat. D.	Alioth on Mer. H. M
	♑	♌	♈	♏	♑	♑	♑	♏			
1	11	13	0	1	27	11	22	27	27	3 N.	5 57
7	17	13	0	1	♒	19	♒	27	4	4 N.	5 31
13	23	13	1	2	5	26	11	27	10	1 S.	5 5
19	29	13	1	2	10	♒	18	26	16	5 S.	4 39
25	♒	13	2	1	15	11	21	26	22	1 S.	4 14

"I AM Queen of the Flow'rs," said an arrogant Rose,
To a Violet that grew on the bank by its side;
Which, untainted by pride, never wish'd to expose,
But its beauties in modest concealment did hide.

D	☽ rise	☽ sou.	H. W.
1	3 49	9 1	11 1
2	4 55	10 0	0 0
3	5 55	10 59	0 35
4	sets	11 57	1 33
5	6 14	aft. 54	2 30
6	7 18	1 46	3 22
7	8 20	2 35	4 11
8	9 22	3 22	4 58
9	10 21	4 7	5 43
10	11 19	4 51	6 27
11	morn.	5 34	7 10
12	0 15	6 17	7 53
13	1 10	7 1	8 37
14	2 5	7 46	9 22
15	2 59	8 34	10 10
16	3 52	9 22	10 58
17	4 42	10 12	11 48
18	5 31	11 2	0 12
19	6 16	11 53	1 2
20	rises.	morn.	1 53
21	6 49	0 44	2 44
22	7 55	1 34	3 34
23	9 0	2 24	4 24
24	10 7	3 14	5 14
25	11 16	4 5	6 5
26	morn.	4 57	6 57
27	0 23	5 50	7 50
28	1 30	6 45	8 45
29	2 35	7 42	9 42
30	3 35	8 39	10 39
31	4 31	9 36	11 36

ON THE NEW YEAR.

THE commencement of a New Year must naturally suggest to a wise man some reflections on the years which are now no more, and some anxiety concerning those which are yet to come. If his progress in knowledge and virtue has been in proportion to the opportunities of acquisition, a retrospect of the past must afford the most exquisite satisfaction; and for the future he can entertain no other anxiety, than that the years, which, as it were, have been habitually devoted to God, be not lost by the guilt or indiscretion of a moment; but that the same vigilance and circumspection by which he was so long enabled to repel temptation; and the same ardor in the pursuits of excellence, which had hitherto been productive of such happy effects; may at last conduct him to that blessed situation, which the Royal Psalmist thus emphatically describes: "Mark the perfect man, and behold the upright; for the end of that man is peace."

The firm conviction of a Supreme Being, who is the rewarder of them that diligently seek him, is the actuating principle of such a man, in all the vicissitudes of life. His confidence to the Divine Protection, his resignation in the Divine Will, his habitual regard to the Divine Presence, in a word, those hopes of a happier state, which are the ultimate aim

FEBRUARY. Second Month.

From firſt-born ſons of light (with glory crown'd)
To ſmalleſt forms that microſcopes have found,
In all their unconceiv'd variety
Stand fair before thy comprehenſive eye!
I am one link amid this endleſs chain,
And muſt a conſcious being ſtill remain.
While I in embryo unconſcious lay,
Thy watchful eyes did all my limbs ſurvey;

		Remarkable days, &c.	☉ri.	☉ſet	☉ſlo.	☉ S.	☽pl.
1	3	♂ ☿ ♂	7 0	5 0	14 6	16 58	♍23
2	4	Purification V. Mary.	6 59	5 1	14 12	16 40	♒ 7
3	5	♂ ☉ ☿ inferior.	6 58	5 2	14 18	16 23	21
4	6	*Pleaſant for*	6 56	5 4	14 24	16 5	♓ 4
5	7	7*s ſet 2 41	6 55	5 5	14 29	15 47	17
6	B	Spica ♍ riſes 10 26	6 54	5 6	14 32	15 28	29
7	2	♃ ſouth 2 37	6 53	5 7	14 35	15 9	♈ 12
8	3	Sirius ſets 1 56	6 52	5 8	14 37	14 50	24
9	4	*the ſeaſon;*	6 51	5 9	14 39	14 31	♉ 6
10	5	☽ in Apogee.	6 50	5 10	14 40	14 12	17
11	6	✳ ſouth 11 14	6 48	5 12	14 39	13 52	29
12	7	Days increaſe 1 16	6 47	5 13	14 38	13 32	♊ 11
13	B	*falling weather;*	6 46	5 14	14 36	13 12	23
14	2	Valentine.	6 45	5 15	14 34	12 51	♋ 6
15	3	☿ Stationary.	6 43	5 17	14 32	12 31	18
16	4	Sirius ſouth 8 30	6 42	5 18	14 27	12 10	♌ 1
17	5	*clears up*	6 41	5 19	14 22	11 49	15
18	6	☉ enters ♓	6 40	5 20	14 16	11 28	28
19	7	♃ ſouth 1 47	6 38	5 22	14 10	11 6	♍12
20	B	*cold;*	6 37	5 23	14 3	10 45	26
21	2	✳ ſouth 10 34	6 36	5 24	13 55	10 23	♎11
22	3	*moderate;*	6 35	5 25	13 47	10 1	25
23	4	Day 10 54, ☽ in Peri.	6 33	5 27	13 39	9 39	♏ 9
24	5	7*s ſet 12 29	6 32	5 28	13 30	9 17	24
25	6	♃ ſouth 1 21	6 31	5 29	13 20	8 55	♐ 8
26	7	*like for ſnow.*	6 30	5 30	13 10	8 32	21
27	B	Sexageſima.	6 28	5 32	12 58	8 10	♑ 6
28	2	Sirius ſets 12 46	6 27	5 33	12 47	7 47	19

Venus (♀) will be Evening Star until the 19th of the tenth month (October) then Morning Star till the end of the year.

FEBRUARY, Second Month, *hath* 28 *Days*.

	D.	H.	M.
New ●	3	0	38 M.
First ☽	10	10	29 A.
Full ○	18	2	35 A.
Laſt ☾	25	9	56 M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
1	♒ 13	♌ 12	♍ 2	♌ 1	♒ 20	♒ 20	♒ 17	♑ 26	29	5	N.	3	45
7	♒ 19	♌ 12	♍ 3	♌ 1	♒ 25	♒ 27	♓ 10	♑ 25	5	1	N.	3	21
13	♓ 25	♌ 12	♍ 4	♌ 0	♓	♓	♓ 6	♑ 25	11	4	S.	2	58
19	♓	♍ 11	♍ 4	♍	♓ 4	♓ 12	♓ 6	♑ 25	17	3	S.	2	35
25	♈ 7	♍ 11	♍ 5	♍ 29	♈ 9	♈ 20	♈ 10	♑ 24	23	3	N.	2	12

"Behold," ſaid the Roſe, with a ſimper of ſcorn,
"My honor, my title, my rank are well known;
See the bloom of Circaſſia my cheek doth adorn,
And the beauties of Paradiſe in me are ſhown.

D	☽ riſe H.	M.	☽ ſou. H.	M.	H. W. H.	M.
1	5	22	10	33	0	9
2	6	5	11	26	1	5
3	ſets.		aft.	17	1	53
4	6	58	1	5	2	41
5	7	59	1	52	3	28
6	8	57	2	37	4	13
7	9	56	3	21	4	57
8	10	53	4	5	5	41
9	11	48	4	49	6	25
10	morn.		5	34	7	10
11	0	42	6	20	7	56
12	1	36	7	9	8	45
13	2	28	7	58	9	34
14	3	17	8	48	10	24
15	4	4	9	39	11	15
16	4	48	10	30	0	6
17	5	27	11	22	0	30
18	riſes.		morn.		1	22
19	6	45	0	14	2	14
20	7	53	1	5	3	5
21	9	4	1	58	3	58
22	10	13	2	51	4	51
23	11	22	3	45	5	45
24	morn.		4	41	6	41
25	0	29	5	38	7	38
26	1	31	6	35	8	35
27	2	28	7	32	9	32
28	3	20	8	27	10	27

of all his purſuits, may be thus expreſſed in the beautiful language of M. Barbauld:

If the ſoft hand of winning Pleaſure leads,
By living waters, and thro' flow'ry meads;
When all is ſmiling, tranquil, and ſerene,
And vernal beauty paints the flatt'ring ſcene;
Oh teach me to elude each latent ſnare,
And whiſper to my ſliding heart, *Beware.*
With caution let me hear the ſyren's voice,
And doubtful, with a trembling heart rejoice.

If friendleſs, in a vale of tears, I ſtray,
Where briars wound, and thorns perplex my way,
Still let my ſteady ſoul Thy Goodneſs ſee,
And with ſtrong confidence lay hold on Thee;
With equal joy my various lot receive,
Reſign'd to die, or reſolute to live;
Prepar'd to kiſs the ſceptre, or the rod,
While God is ſeen in all, and all in God.
I read his awful name, emblazon'd high
With golden letters on th' illumin'd ſky;
Nor leſs the myſtic characters I ſee
Wrought in each flow'r, inſcrib'd on ev'ry tree;
In ev'ry leaf that trembles on the breeze
I hear the voice of God among the trees;
With Thee in ſhady ſolitudes I walk,
With Thee in buſy crowded cities talk;
In ev'ry creature own thy forming pow'r,
In each event Thy Providence adore.

Thy ſpirit in ſome ſecret moment join'd,
The form material to th' immortal mind;
And while I helpleſs hung upon the breaſt,
Thy guardian care my infant ſlumbers bleſt;
Through unſeen dangers, in thoſe giddy ways
That mark'd with folly all my early days,
Thy pow'rful arm ſuſtain'd me from above,
And crown'd my life with health, and peace, and love.

		Remarkable days, &c.	☉ri.	☉ſet	☉ſlo.	☉ S.	☾ pl.
1	3	David. ☿ greateſt elon.	6 25	5 35	12 36	7 24	♒ 3
2	4	♃ ſouth 1 1	6 23	5 37	12 22	7 2	16
3	5	*Moderate*	6 22	5 38	12 9	6 38	29
4	6	7*s ſet 11 58	6 20	5 40	11 56	6 15	♓ 12
5	7	Days increaſe 2 12	6 19	5 41	11 42	5 52	25
6	B	Day 11 24	6 18	5 42	11 28	5 29	♈ 7
7	2	☌ ☉ ♂	6 17	5 43	11 14	5 6	20
8	3	*weather;*	6 15	5 45	10 58	4 42	♉ 1
9	4	Aſh Wedneſday.	6 14	5 46	10 43	4 19	13
10	5	☽ in Apogee.	6 13	5 47	10 27	3 55	25
11	6	✶ ſouth 9 25	6 12	5 48	10 .1	3 32	♊ 7
12	7	Gregory.	6 11	5 49	9 55	3 8	19
13	B	1ſt in Lent.	6 9	5 51	9 38	2 44	♋ 1
14	2	*windy, with*	6 8	5 52	9 20	2 21	13
15	3	Sirius ſets 11 54	6 7	5 53	9 3	1 57	26
16	4	*heavy rain;*	6 5	5 55	8 46	1 33	♌ 9
17	5	St. Patrick. ☍ ☉ ♃	6 4	5 56	8 28	1 10	22
18	6	Bull's eye ſets 11 27	6 3	5 57	8 10	0 46	♍ 6
19	7	*fair weather,*	6 1	5 59	7 52	S. 22	21
20	B	☉ enters ♈	6 0	6 0	7 33	N. 1	♎ 5
21	2	Benedict.	5 58	6 2	7 15	0 25	20
22	3	*with cold winds;*	5 57	6 3	6 56	0 48	♏ 5
23	4	Lyra riſes 9 32, ☽ Peri.	5 56	6 4	6 38	1 12	19
24	5	*rain, or perhaps*	5 54	6 6	6 19	1 36	♐ 4
25	6	Annun. Virgin Mary.	5 52	6 8	6 0	1 59	18
26	7	♃ ſouth 11 21	5 51	6 9	5 42	2 23	♑ 2
27	B	*ſnow;*	5 50	6 10	5 23	2 46	16
28	2	Spica ♍ ſouth 12 45	5 49	6 11	5 4	3 10	♒ 0
29	3	☌ ☉ ♄	5 48	6 12	4 46	3 33	13
30	4	*ſtormy.*	5 46	6 14	4 27	3 56	26
31	5	Arcturus ſouth 1 26	5 45	6 15	4 9	4 20	♓ 9

	D.	H.	M.
New ☉	4		
First ☽	12		
Full ○	20		
Laſt ☌	26		
	3	27	A.
	6	58	A.
	2	12	M.
	5	51	A.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	☉'s Lat. D.		Alioth on Mer. H.	M.
	♓	♌	♑	♍	♓	♓	♒	♑					
1	11	11	5	29	12	25	14	24	27	5	N.	1	57
7	17	11	6	28	17	♈	21	24	3	0		1	35
13	23	11	7	27	22	10	28	24	9	5	S.	1	13
19	29	11	8	26	26	17	♓	23	15	3	S.	0	51
25	♈	10	8	26	♈	25	17	23	21	4	N.	0	29

I frequently viſit the circles of ſtate,
And oft in the chambers of monarchs am found;
While you, void of ſpirit, but juſt vegetate,
And meanly ſubmit thus to crawl on the ground."

D	☽ riſe	☽ ſou.	H. W.
1	4 4	9 20	11 20
2	4 44	10 12	0 0
3	5 21	11 1	0 37
4	ſets.	11 48	1 24
5	6 48	aft. 33	2 9
6	7 47	1 18	2 54
7	8 45	2 3	3 39
8	9 41	2 47	4 23
9	10 36	3 32	5 8
10	11 30	4 18	5 54
11	morn.	5 6	6 42
12	0 23	5 54	7 30
13	1 13	6 43	8 29
14	2 0	7 33	9 9
15	2 44	8 23	9 59
16	3 25	9 14	10 50
17	4 4	10 6	11 42
18	4 42	10 59	0 6
19	5 19	11 52	0 59
20	riſes.	morn.	1 52
21	8 2	0 46	2 46
22	9 14	1 41	3 41
23	10 24	2 39	4 39
24	11 30	3 38	5 38
25	morn.	4 37	6 37
26	0 29	5 34	7 34
27	1 23	6 31	8 31
28	2 11	7 24	9 24
29	2 52	8 16	10 16
30	3 28	9 5	11 5
31	4 3	9 52	11 52

Thy hopes ſhall animate my drooping ſoul,
Thy precepts guide me, and Thy fear control.
Thus ſhall I reſt, unmov'd by all alarms,
Secure within the temple of thine arms
From anxious cares, from gloomy terrors free,
And feel myſelf omnipotent in Thee.
Then when the laſt, the cloſing hour draws nigh,
And earth recedes before my ſwimming eye;
Teach me to quit this tranſitory ſcene
With decent triumph and a look ſerene;
Teach me to fix my ardent hopes on high,
And having liv'd to Thee, in Thee to die.

Obſervations on the natural Indications of Changes of the Weather.

IT is a fact univerſally allowed, that there are certain indications of a change of weather, and that this change may be known ſome ſhort time before.

1. A thick, dark ſky, laſting for ſome time, without either ſun or rain, always becomes firſt clear, then foul; that is, changes to a fair, clear ſky, before it turns to rain.

2. A change in the warmeſt of the weather is generally followed by a change in the wind: thus, the northerly and ſoutherly winds, commonly eſteemed the *cauſe* of cold and warm weather, are, in reality, the *effects* of the cold or warmth of the atmoſphere.

APRIL. Fourth Month.

When dire diſeaſe, at heav'n's ſupreme command,
Spread deſolation thro' a guilty land,
And millions in one inſtant loſt their breath,
And fell reluctant by the ſtroke of death,
I liv'd ſecure!—I found a ſafe abode
Beneath the fortreſs of the pow'r of God!
And ſtill, Great God, in thee 'I live and move,'
And all that I enjoy, is from above.

		Remarkable days, &c.	☉ri.	☉ſet	☉ſlo.	☉ N.	● pl.
1	6	♃ ſouth 10 57	5 44	6 16	3 51	4 43	♓ 21
2	7	*Pleaſant weather;*	5 42	6 18	3 32	5 6	♈ 4
3	B	☉ eclipſed, viſible.	5 41	6 19	3 14	5 29	16
4	2	Ambroſe.	5 40	6 20	2 57	5 52	28
5	3	☽ with ♀	5 39	6 21	2 39	6 15	♉ 10
6	4	Day 12 44, ☽ in Apo.	5 38	6 22	2 22	6 37	22
7	5	*windy, with*	5 37	6 23	2 5	7 0	♊ 3
8	6	7*s ſet 9 47	5 35	6 25	1 48	7 22	15
9	7	*light ſhowers;*	5 34	6 26	1 31	7 44	27
10	B	Spica ♍ ſouth 11 58	5 33	6 27	1 13	8 7	♋ 9
11	2	♃ ſouth 10 17	5 31	6 29	0 58	8 29	21
12	3	*fine growing*	5 30	6 30	0 42	8 51	♌ 4
13	4	♂ ☉ ☿ ſuperior.	5 29	6 31	0 26	9 12	17
14	5	Sirius ſets 10 6	5 27	6 33	0 10	9 34	♍ 0
15	6	*weather;*	5 26	6 34	faſt.	9 55	14
16	7	Arcturus ſouth 12 26	5 25	6 35	0 20	10 17	28
17	B	Cor. ♌ ſets 2 59	5 24	6 36	0 35	10 38	♎ 13
18	2	*cloudy and*	5 23	6 37	0 49	10 59	28
19	3	☉ enters ♉, ☽ in Peri.	5 21	6 39	1 3	11 19	♏ 13
20	4	Bull's eye ſets 9 24	5 20	6 40	1 16	11 40	28
21	5	*like for rain;*	5 19	6 41	1 29	12 0	♐ 13
22	6	Good Friday.	5 18	6 42	1 41	12 20	28
23	7	St. George.	5 17	6 43	1 52	12 40	♑ 12
24	B	Eaſter Sunday.	5 16	6 44	2 4	13 0	26
25	2	St. Mark.	5 14	6 46	2 15	13 20	♒ 10
26	3	*clear and*	5 13	6 47	2 25	13 39	23
27	4	7*s ſet 8 32	5 12	6 48	2 35	13 58	♓ 6
28	5	♃ ſouth 9 8	5 11	6 49	2 45	14 17	18
29	6	*pleaſant.*	5 9	6 51	2 54	14 36	♈ 1
30	7	□ ☉ Geo. Sidus.	5 8	6 52	3 2	14 54	13

Latitude of Georgium Sidus (✳) about 41 min. north, this year.

APRIL, Fourth Month, *hath* 30 *Days.*

New ●	D. H. M. 3 7 40 M.
Firſt ☽	11 0 16 A.
Full ○	18 11 47 M.
Laſt ☾	25 2 46 M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H. M.
1	♈ 12	♌ 10	♍ 9	♏ 25	♑ 6	♉ 3	♓ 29	♓ 23	28	3	N.	0 4
7	18	10	10	24	11	11	♈ 5	22	5	3	S.	11 38
13	♉ 23	10	11	♐ 23	16	18	23	22	11	2	S.	11 16
19	29	10	11	23	20	25	♉ 8	22	17	2	N.	10 53
25	♉ 8	10	12	22	25	♊ 1	18	21	23	5	N.	10 31

The Violet beheld theſe effuſions of pride,
And liſten'd with pity to all that ſhe ſaid;
Then thus to the Roſe, with good-nature replied,
And modeſt aſſurance, the ſweet blue-eyed maid.

D.	☽ riſe	☽ ſou.	H. W.
1	4 35	10 38	0 14
2	5 6	11 22	0 58
3	ſets.	aft. 7	1 43
4	7 41	0 51	2 27
5	8 36	1 36	3 12
6	9 30	2 21	3 57
7	10 24	3 8	4 44
8	11 14	3 56	5 32
9	morn.	4 44	6 20
10	0 2	5 33	7 9
11	0 47	6 22	7 58
12	1 27	7 11	8 47
13	2 6	8 1	9 37
14	2 44	8 52	10 28
15	3 19	9 44	11 20
16	3 56	10 37	0 0
17	4 34	11 32	0 37
18	riſes.	morn.	1 32
19	8 10	0 30	2 30
20	9 21	1 30	3 30
21	10 26	2 31	4 31
22	11 24	3 32	5 32
23	morn.	4 31	6 31
24	0 16	5 27	7 27
25	0 59	6 20	8 20
26	1 37	7 10	9 10
27	2 12	7 57	9 57
28	2 44	8 43	10 43
29	3 15	9 27	11 27
30	3 46	10 11	0 0

3. Moſt vegetables expand their flowers and down, in ſun-ſhining weather; and, toward the evening, and againſt rain, cloſe them again, eſpecially at the beginning of their flowering, when their ſeeds are tender and ſenſible: this is viſible in the down of dandelion, and the flowers of pimpernel. If the flowers be cloſe ſhut up, it foretels rain and foul weather; if ſpread open, fair weather. The ſtalk of trefoil ſwells againſt rain, and grows more upright.

4. All wood, even the hardeſt and moſt ſolid, ſwells in moiſt weather, and foretels rain.

5. Stones and wainſcots, when they ſweat, portend rainy weather.

6. Cloſe weather, with a ſoutherly wind, preſages rain.

7. A red ſky, at ſunſet, indicates wind.

8. When the wind ſuddenly ſhifts and blows in a different courſe to the ſun's apparent motion in the heavens, which is from eaſt to weſt, it foretels wet and blowing weather.

9. A circle round the moon, at ſome diſtance, is generally followed by rain the next day.

10. Sheep will feed early in the morning, and cattle, deer, and rabbits, feed hard againſt rain; and a heifer will put her noſe, and ſnuff in the air, before wet.

11. Flame is more ſuſceptible of air than we are: thus, the trembling of the flame of

M A Y. Fifth Month.

Thou great firſt cauſe, who doſt my ſoul behold,
Pierce all its depths, and ev'ry veil unfold;
Thou bidd'ſt the ſprings of life perpetual move,
And my next breath depends upon thy love!
This fleeting life is but a tireſome load,
Unleſs my ſoul can ſay, 'Thou art my God.'
Were earth, were heav'n, were all creation mine,
Should all th' angelic hoſt around me ſhine,

		Remarkable days, &c.	☉ri.	☉ſet	☉ſa.	☉ N.	☽pl.
1	B	Philip and James.	5 7	6 53	3 10	15 12	♈ 25
2	2	*Cloudy and*	5 6	6 54	3 16	15 30	♉ 7
3	3	♃ ſou. 8 49 ☽ in Ap.	5 5	6 55	3 23	15 48	18
4	4	Spica ♍ ſouth 10 28	5 4	6 56	3 29	16 5	♊ 0
5	5	*like for rain;*	5 3	6 57	3 35	16 23	12
6	6	John Evangeliſt.	5 2	6 58	3 40	16 39	24
7	7	Day 13 58	5 1	6 59	3 44	16 56	♋ 6
8	B	Lyra ſouth 3 30	5 0	7 0	3 48	17 11	19
9	2	*warm and*	4 59	7 1	3 52	17 28	♌ 0
10	3	Arcturus ſouth 10 55	4 58	7 2	3 55	17 44	13
11	4	*clear;*	4 57	7 3	3 56	17 59	26
12	5	☿ greateſt elonga. ori.	4 56	7 4	3 58	18 14	♍ 9
13	6	♃ ſets 2 25	4 55	7 5	3 59	18 29	23
14	7	*refreſhing*	4 54	7 6	4 0	18 44	♎ 7
15	B	Day 14 14	4 53	7 7	4 0	18 58	21
16	2	*ſhowers;*	4 52	7 8	3 59	19 12	♍ 6
17	3	Lyra ſou. 2 54, ☽ Peri.	4 51	7 9	3 58	19 26	21
18	4	♃ Stationary.	4 50	7 10	3 56	19 39	♐ 7
19	5	*fine*	4 49	7 11	3 54	19 52	22
20	6	☉ enters ♊	4 48	7 12	3 52	20 4	♑ 7
21	7	*growing*	4 47	7 13	3 48	20 16	21
22	B	Procyon ſets 9 51	4 46	7 14	3 44	20 28	♒ 6
23	2	*weather;*	4 45	7 15	3 39	20 40	19
24	3	☿ Stationary.	4 44	7 16	3 34	20 51	♓ 2
25	4	♃ ſets 1 37	4 44	7 16	3 29	21 2	15
26	5	*perhaps*	4 43	7 17	3 23	21 12	28
27	6	*thunder.*	4 42	7 18	3 16	21 22	♈ 10
28	7	Arcturus ſouth 9 45	4 42	7 18	3 9	21 32	22
29	B	Day 14 38	4 41	7 19	3 1	21 42	♉ 4
30	2	*and rain.*	4 41	7 19	2 53	21 51	16
31	3	Lyra ſou. 2 0 ☽ Apo.	4 40	7 20	2 45	21 59	27

MAY, Fifth Month, *hath* 31 *Days.*

	D.	H.	M.
New ●	3	0	19 M.
First ☽	11	1	45 M.
Full ○	17	7	43 A.
Laſt ☾	24	1	29 A.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	♁	☾'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
1	♉ 11	♌ 10	♐ 13	♑ 22	♌ 29	♋ 10	♉ 29	♌ 21	29	0		10	8
7	17	10	14	22	♍ 8	17	♋ 21	5	5	S.	9	45
13	23	10	14	22	8	24	14	20	11	3	S.	9	22
19	29	10	15	22	13	♎ 8	18	20	17	4	N.	8	59
25	♋ 5	11	15	22	17	8	19	20	23	3	N.	8	35

" Believe me, dear madam, the charms of the mind,
Are far more endearing than thoſe of the ſight;
For meekneſs of temper, with innocence join'd,
And the ſoft look of modeſty, yield moſt delight.

D	☽ riſe	☽ ſou.	H. W.
1	4 16	10 55	0 31
2	4 46	11 38	1 14
3	ſets.	aft. 24	2 0
4	8 25	1 10	2 46
5	9 16	1 58	3 34
6	10 4	2 46	4 22
7	10 49	3 34	5 10
8	11 32	4 22	5 58
9	morn.	5 10	6 46
10	0 10	5 58	7 34
11	0 46	6 47	8 23
12	1 21	7 36	9 12
13	1 55	8 26	10 2
14	2 31	9 19	10 55
15	3 8	10 15	11 51
16	3 48	11 13	0 15
17	riſes.	morn.	1 13
18	8 8	0 13	2 13
19	9 11	1 15	3 15
20	10 8	2 17	4 17
21	10 56	3 17	5 17
22	11 37	4 13	6 13
23	morn.	5 5	7 5
24	0 15	5 55	7 55
25	0 48	6 41	8 41
26	1 19	7 27	9 27
27	1 50	8 11	10 11
28	2 20	8 54	10 58
29	2 52	9 38	11 38
30	3 25	10 22	0 0
31	4 1	11 7	0 43

a candle foretels wind; as do the bending flame of coals, and their throwing more aſhes than uſual.

12. The obſcuring of the ſmaller ſtars indicates a tempeſt.

13. Sea-weed hung up in a dry place, will give or grow damp before rain.

HENRY VAGG'S *Secret for inſuring a Crop of* TURNIPS.

[*For diſcovering which he received, by ſubſcription, One Thouſand Guineas.*]

THE turnip in its infant ſtate, has many enemies; the Fly, the common Earth-worm, and the Slug. The fly is of two ſorts; the one of a dark brown color, inclining to black; the other of a lighter brown, with longitudinal ſtrokes of white on its back and wings. Of both theſe ſorts, a conſiderable number may be ſeen on a ſingle ſeed leaf of a young turnip plant, on the upper ſurface of which they make many ſmall punctures; and though theſe punctures retard the progreſs of it, and are in ſome degree injurious, yet they are not fatal to it, but, enlarging as the plant increaſes in growth, are (as I apprehend) the occaſion of thoſe holes always to be found in the leaves of the beſt crop of turnips. It cannot however be denied, that in lands naturally poor and unmanured (in which by the way turnips ought never to be ſown) the puncture

This, vain magnificence would only prove,
Were I deny'd the comforts of thy love.
O may thy love my wand'ring heart confine,
And let thy ſpirit whiſper—'Thou art mine.'—
Thy pleaſing words ſhall ſooth my ſoul to reſt,
And with celeſtial pleaſure fill my breaſt;
My preſent, and my future portion be,
And while I live—O may I live to thee.

		Remarkable days, &c.	☉ri.	☉ſet	☉faſt.	☉N.	☽pl.
1	4	*Temperate*	4 40	7 20	2 36	22 7	♊ 9
2	5	Aſcenſion Day.	4 39	7 21	2 27	22 15	21
3	6	Spica ♍ ſets 1 48	4 39	7 21	2 17	22 22	♋ 3
4	7	*and pleaſant;*	4 39	7 21	2 7	22 30	15
5	B	☌ ☉ ☿ inferior.	4 38	7 22	1 57	22 36	27
6	2	Day 14 44	4 38	7 22	1 46	22 42	♌ 10
7	3	♀ ſets 10 8	4 38	7 22	1 35	22 48	22
8	4	*foggy*	4 37	7 23	1 24	22 54	♍ 5
9	5	Arcturus ſouth 8 52	4 37	7 23	1 13	22 59	16
10	6	*mornings;*	4 37	7 23	1 1	23 4	♎ 2
11	7	Barnabas.	4 36	7 24	0 49	23 8	16
12	B	Whit Sunday.	4 36	7 24	0 37	23 12	♏
13	2	□ ☉ ♃	4 36	7 24	0 25	23 15	1
14	3	☽ in Perigee.	4 36	7 24	0 13	23 18	♐
15	4	Cor. ♌ ſets 11 4	4 35	7 25	ſlow.	23 21	1
16	5	*cloudy and*	4 35	7 25	0 12	23 23	♑
17	6	☿ Stationary.	4 35	7 25	0 25	23 25	1
18	7	*like for*	4 35	7 25	0 38	23 26	♒
19	B	Trinity Sunday.	4 35	7 25	0 50	23 27	1
20	2	*rain;*	4 35	7 25	1 3	23 28	2
21	3	☉ enters ♋	4 35	7 25	1 16	23 28	♓ 1
22	4	Caſtor ſets 9 23	4 35	7 25	1 29	23 28	2
23	5	*warm and*	4 35	7 25	1 41	23 27	♈
24	6	St. John Baptiſt.	4 35	7 25	1 55	23 26	1
25	7	♃ ſets 11 34	4 35	7 25	2 7	23 24	♉
26	B	*ſultry.*	4 35	7 25	2 20	23 22	1
27	2	Spica ♍ ſets 12 11	4 35	7 25	2 33	23 20	2
28	3	☽ in Apogee.	4 36	7 24	2 45	23 17	♊
29	4	St. Peter and Paul.	4 36	7 24	2 57	23 14	
30	5	☿ greateſt elong. occi.	4 36	7 24	3 10	23 11	♋

	D.	H.	M.
New ●	1	4	13 A.
First ☽	9	11	41 M.
Full ○	16	2	42 M.
Laſt ☾	23	2	29 M.

Days	Planets' Places, &c. ☉	☽	♄	♅	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
	♊	♌	♍	♏	♉	♍	♊	♑					
1	11	11	16	22	22	17	17	19	30	4	S.	8	7
7	17	11	17	22	26	24	14	19	6	4	S.	7	42
13	22	11	17	23	♊	♌	11	19	12	2	N.	7	17
19	28	12	17	23	5	8	11	18	18	5	N.	6	52
25	♋	12	18	23	9	15	13	18	24	1	S.	6	27

These charms will increaſe when your rouge fades away,
And coxcombs no longer your preſence deſire;
I envy you not the falſe glare of a day,
For Merit my virtues will always admire."

D	☽ ſets	☽ ſou.	H. W.
1	7 12	11 54	1 30
2	8 1	aft. 42	2 18
3	8 47	1 30	3 6
4	9 30	2 18	3 54
5	10 8	3 6	4 42
6	10 44	3 53	5 29
7	11 20	4 40	6 16
8	11 53	5 28	7 4
9	morn	6 16	7 52
10	0 27	7 6	8 42
11	1 2	7 59	9 35
12	1 38	8 53	10 29
13	2 18	9 51	11 27
14	3 6	10 51	0 0
15	4 0	11 52	0 51
16	riſes.	morn.	1 52
17	8 41	0 54	2 52
18	9 27	1 54	3 54
19	10 7	2 50	4 50
20	10 43	3 42	5 42
21	11 16	4 31	6 31
22	11 47	5 18	7 18
23	morn.	6 3	8 3
24	0 18	6 47	8 47
25	0 49	7 30	9 30
26	1 21	8 14	10 14
27	1 55	8 59	10 59
28	2 33	9 45	11 45
29	3 15	10 33	0 9
30	4 2	11 21	0 57

of the fly is very prejudicial, as from the languor of vegetation, the plant cannot recover, and outgrow the injury, but from its weakneſs droops and dies.

The common earth-worm (of which in all lands there are more or leſs, and which in ſome are very abundant) by its workings makes the ground light and hollow about the plants, in conſequence of which they are liable to be injured, and are frequently deſtroyed by the ſcorching rays of the ſun.—But the greateſt and moſt deſtructive enemy, is a reptile of the ſnail claſs, but without a ſhell, of a whitiſh color, and of the medium length of one inch, ſome being more and ſome leſs. What it is called by naturaliſts I am ignorant, but in Somerſetſhire it is well known by the name of the Slug, and ſingly, does more damage to young and tender plants, than all the other ſpecies of inſects. And this I aſſert, not from ſpeculation only or conjecture, but from certain experience and ocular demonſtration. In the year 1777, I ſowed a field of ten acres with turnips, and at the firſt appearance of the ſeed leaf, ſaw in the evening the crop coming regularly over my field; but obſerving it again the next morning, found large patches entirely eaten off, and much ſlime on the vacant places, reſembling the tracks of a ſnail, without being able, on the moſt attentive examination, to diſcover any ſort of inſect except

The Dog and the Water-Lily.

No Fable.

By William Cowper, Esq.

THE Noon was shady, and soft airs
Swept Ouse's silent tide;
When 'scap'd from literary cares,
I wander'd on his side.

		Remarkable days, &c.	☉ri.	☉set	☉ slo.	☉N.	☽pl.
1	6	*Flying clouds,*	4 36	7 24	3 22	23 7	♋ 12
2	7	Visitation Vir. Mary.	4 37	7 23	3 33	23 2	24
3	B	Days decrease 4m.	4 37	7 23	3 44	22 57	♌ 7
4	2	Martin.	4 37	7 23	3 55	22 52	20
5	3	*with some rain;*	4 38	7 22	4 6	22 47	♍ 2
6	4	Lyra south 11 28	4 38	7 22	4 16	22 41	15
7	5	♀ sets 9 42	4 39	7 21	4 26	22 34	29
8	6	*now pleasant*	4 39	7 21	4 35	22 28	♎ 12
9	7	Cor. ♌ sets 9 23	4 40	7 20	4 44	22 20	26
10	B	Days decrease 10m.	4 40	7 20	4 53	22 13	♏ 10
11	2	□ ☉ ♄, ☽ in Perigee.	4 41	7 19	5 1	22 5	25
12	3	Spica ♍ sets 11 10	4 41	7 19	5 9	21 57	♐ 9
13	4	♃ sets 10 25	4 42	7 18	5 16	21 48	24
14	5	*for the season,*	4 42	7 18	5 23	21 39	♑ 9
15	6	Swithin.	4 43	7 17	5 29	21 30	24
16	7	Arcturus sets 1 37	4 43	7 17	5 35	21 20	♒ 8
17	B	*but soon grows*	4 44	7 16	5 40	21 10	22
18	2	Bull's eye rises 1 33	4 45	7 15	5 45	21 0	♓ 6
19	3	*hot and sultry;*	4 45	7 15	5 49	20 49	19
20	4	Margaret.	4 46	7 14	5 53	20 37	♈ 2
21	5	*thunder and*	4 47	7 13	5 56	20 26	15
22	6	Magdalene. ☉ enters ♌	4 48	7 12	5 58	20 14	27
23	7	*lightning;*	4 49	7 11	6 0	20 2	♉ 9
24	B	Day 14 20	4 50	7 10	6 2	19 49	21
25	2	St. James. ☽ in Apo.	4 50	7 10	6 3	19 36	♊ 3
26	3	Days decrease 32m.	4 51	7 9	6 3	19 23	14
27	4	♂ ☉ ☿ superior.	4 52	7 8	6 3	19 9	26
28	5	Arcturus sets 12 43	4 53	7 7	6 2	18 56	♋ 9
29	6	*fair and hot.*	4 54	7 6	6 1	18 41	21
30	7	Dog Days begin.	4 55	7 5	5 59	18 27	♌ 3
31	B	♄ Stationary.	4 56	7 4	5 57	18 12	16

New ● 1 6 40 M.
First ☽ 8 6 53 A.
Full ○ 15 9 52 M.
Laſt ☾ 22 5 57 A.
New ● 30 7 38 A.

D. H. M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
1	9	12	18	24	13	21	18	18	1	5	S.	6	4
7	15	13	18	25	17	28	26	17	7	2	S.	5	39
13	21	13	19	26	22	♍	♑	17	13	5	N.	5	15
19	27	13	19	27	26	11	18	17	19	2	N.	4	51
25	♌	14	19	28	♑	17	♌	16	25	3	S.	4	27

AS ſome fair vi'let, loveliеſt of the glade,
Sheds its mild fragrance on the lonely ſhade,
Withdraws its modeſt head from public ſight,
Nor courts the ſun, nor ſeeks the glare of light;

D	☽ ſets	☽ ſou.	H. W.
1	7 24	aft. 9	1 45
2	8 5	0 58	2 34
3	8 42	1 45	3 21
4	9 18	2 33	4 9
5	9 51	3 21	4 57
6	10 24	4 9	5 45
7	10 58	4 57	6 33
8	11 32	5 46	7 22
9	morn.	6 39	8 15
10	0 11	7 33	9 9
11	0 53	8 31	10 7
12	1 41	9 30	11 6
13	2 36	10 30	0 0
14	3 36	11 31	0 30
15	riſes.	morn.	1 31
16	7 56	0 29	2 29
17	8 35	1 24	3 24
18	9 9	2 16	4 16
19	9 43	3 5	5 5
20	10 14	3 52	5 52
21	10 45	4 37	6 37
22	11 17	5 22	7 22
23	11 51	6 6	8 6
24	morn	6 51	8 51
25	0 28	7 37	9 37
26	1 8	8 23	10 23
27	1 53	9 11	11 11
28	2 42	10 1	0 0
29	3 35	10 50	0 26
30	ſets.	11 39	1 15
31	7 17	aft. 28	2 4

the fly. Reflecting further on this appearance, and conſidering it to be highly improbable, if not almoſt impoſſible, that ſo great havock ſhould be made by ſo ſmall an inſect in ſo ſhort a ſpace of time, I was led to think, that (whatever might be the operations of the fly by day) the principal damage was done in the night, and that it aroſe not from the fly, but from ſome other then unknown cauſe. Strongly poſſeſſed with this opinion, about midnight I went into the field with a light, to examine the ground, and viewing it in various parts, ſaw the ſlug in great abundance, in almoſt every part of the field, then feeding on the plants that remained from the ravages of the preceding night. It immediately ſtruck me, that if theſe could be deſtroyed, the remainder of the crop might be ſaved, and with that view I ſent out my ſervant to make the experiment with a barley roller and two horſes, with which in the ſame night he went over the whole field; and the next day the number of ſlugs to be ſeen lying dead on the ground, and turned brown by the ſun, was almoſt incredible. From this time the plants were no more moleſted, though the fly was at all times after to be ſeen in the field, but leſs active than before; and by this ſimple operation was part of a crop preſerved, which there is ſtrong reaſon to believe would otherwiſe have been totally deſtroyed in forty-eight hours. Encouraged by this ſucceſs, I privately purſued the

AUGUST. Eighth Month.

My Spaniel, prettieſt of its race,
And high in pedigree,
(Two Nymphs, adorn'd with ev'ry grace,
That Spaniel gave to me:)
Now wanton'd, loſt in flags and reeds,
Now ſtarting into ſight;
Purſu'd the Swallows o'er the meads
With ſcarce a flower flight.

		Remarkable days, &c.	☉ri.	☉ſet	☉ſlo.	☉N.	☽pl.
1	2	Lammas.	4 57	7 3	5 53	17 57	♌ 29
2	3	Bull's eye riſes 12 33	4 58	7 2	5 49	17 42	♍ 12
3	4	*Cloudy, dull*	4 59	7 1	5 45	17 26	26
4	5	7*s riſe 11 10	5 0	7 0	5 40	17 10	♎ 9
5	6	Transfiguration.	5 1	6 59	5 34	16 54	23
6	7	*weather, with*	5 2	6 58	5 28	16 37	♏ 7
7	B	♂ ☉ Geo. Sidus.	5 3	6 57	5 21	16 21	21
8	2	☽ in Perigee.	5 4	6 56	5 13	16 4	♐ 5
9	3	Days decreaſe 1h.	5 5	6 55	5 5	15 46	19
10	4	Laurence. ☿ gr. el. ori.	5 6	6 54	4 57	15 28	♑ 4
11	5	*thunder and*	5 8	6 52	4 47	15 11	18
12	6	Spica ♍ ſets 9 7	5 9	6 51	4 37	14 53	♒ 3
13	7	♄ ſouth 3 38	5 10	6 50	4 27	14 35	17
14	B	*lightning;*	5 11	6 49	4 16	14 16	♓ 1
15	2	Sirius riſes 3 52	5 13	6 47	4 5	13 57	14
16	3	*clear and*	5 14	6 46	3 53	13 38	27
17	4	7*s riſe 10 21	5 15	6 45	3 40	13 19	♈ 10
18	5	*dry;*	5 16	6 44	3 27	13 0	23
19	6	♄ ſouth 3 15	5 17	6 43	3 14	12 40	♉ 5
20	7	*cool*	5 18	6 42	3 0	12 21	17
21	B	Day 13 20	5 20	6 40	2 45	12 1	29
22	2	☽ in Apogee.	5 21	6 39	2 31	11 41	♊ 11
23	3	☉ enters ♍	5 22	6 38	2 16	11 20	22
24	4	Bartholomew.	5 23	6 37	2 0	11 0	♋ 4
25	5	*mornings*	5 24	6 36	1 44	10 39	17
26	6	♄ ſouth 2 52	5 25	6 35	1 27	10 18	29
27	7	*and*	5 27	6 33	1 11	9 57	♌ 12
28	B	Auguſtine.	5 28	6 32	0 54	9 36	25
29	2	John Baptiſt beheaded.	5 29	6 31	0 36	9 14	♍ 8
30	3	*evenings.*	5 30	6 30	0 18	8 53	22
31	4	Sirius riſes 2 49	5 32	6 28	0 0	8 31	♎ 6

AUGUST, Eighth Month, *hath* 31 *Days*.

	D.	H.	M.
First ☽	7	0	25 M.
Full ○	13	6	36 A.
Last ☾	21	11	29 M.
New ●	29	7	32 M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
	♌	♌	♍	♍	♎	♍	♌	♑					
1	9	14	19	29	4	25	14	16	2	4	S.	3	59
7	15	15	19	♑	8	♑	20	16	8	3	N.	3	36
13	21	15	19	1	12	6	♍	15	14	4	N.	3	14
19	26	15	19	2	16	12	16	15	20	2	S.	2	52
25	♍	15	18	3	20	17	25	15	26	5	S.	2	30

Should ſome rude hand profanely dare intrude,
And bear its beauties from its native wood,
Expos'd abroad its languid colors fly,
Its form decays, and all its odours die.

D	☽ ſets	☽ ſou.	H. W.
1	7 52	1 17	2 53
2	8 25	2 5	3 41
3	9 0	2 54	4 30
4	9 34	3 43	5 19
5	10 12	4 35	6 11
6	10 51	5 28	7 4
7	11 37	6 23	7 59
8	morn	7 21	8 57
9	0 28	8 20	9 56
10	1 25	9 19	10 55
11	2 27	10 17	11 53
12	3 33	11 12	0 17
13	riſes	morn.	1 12
14	7 8	0 5	2 5
15	7 41	0 56	2 56
16	8 15	1 44	3 44
17	8 47	2 31	4 31
18	9 19	3 17	5 17
19	9 53	4 3	6 3
20	10 30	4 48	6 48
21	11 9	5 34	7 34
22	11 52	6 21	8 21
23	morn.	7 9	9 9
24	0 39	7 57	9 57
25	1 30	8 46	10 46
26	2 25	9 35	11 35
27	3 25	10 25	0 1
28	4 25	11 14	0 50
29	ſets.	aft. 3	1 39
30	7 7	0 54	2 30
31	7 42	1 45	3 21

ſame method for ſeveral ſucceſſive years, and without the aid of any kind of compoſition, have had regularly good and full crops of turnips, when there has been a partial or general failure around me.

To aſcertain as well as I could the comparative damage done by the fly and the ſlug, in June 1787, I ſowed ſome turnip ſeed in two earthen pots, kept within doors. In both it came up well, and when it appeared in the ſeed leaf, I collected a quantity of flies of both ſorts, which I put into one of the pots, and confined them under a glaſs, aired at the top with holes made in paper. Into the other I in like manner put two ſlugs. The conſequence was, that the young plants were entirely eat off by the ſlugs, cloſe to the earth. In the other pot, the flies were daily on the plants, and made ſome degree of puncture on the upper ſurface of the leaves, but did not ſo far affect them, but that every plant went on to the rough leaf, when no more attention being paid to them, they died for want of water.

Having premiſed thus much, and faithfully related the facts on which my management is grounded; I propoſe to your practice the following cheap, eaſy, and (as I am perſuaded) effectual method for raiſing and preſerving a crop of turnips.—Immediately on ſowing and harrowing in the ſeed, and which ſhould be in dry weather if poſſible, roll the ground as for barley, and as ſoon as the turnips appear in

SEPTEMBER. Ninth Month.

It was the time when Ouſe diſplay'd
His lilies newly blown,
Their beauties I intent ſurvey'd,
And one I wiſh'd my own.
With cane extended, far I ſought
To ſteer it cloſe to land;
But ſtill the prize, tho' nearly caught,
Eſcap'd my eager hand.

		Remarkable days, &c.	☉ri.	☉ſet	☉faſt.	☉N.	● pl.
1	5	♄ ſouth 2 25	5 33	6 27	0 19	8 9	♎ 19
2	6	*Warm winds,*	5 34	6 26	0 38	7 47	♏ 4
3	7	7*s riſe 9. 23	5 36	6 24	0 57	7 25	18
4	B	Days decreaſe 2 4	5 37	6 23	1 16	7 3	♐ 2
5	2	☽ in Perigee.	5 39	6 21	1 36	6 41	15
6	3	Dog Days end.	5 40	6 20	1 55	6 19	♑ 0
7	4	☿ greateſt elong. ori.	5 41	6 19	2 15	5 56	14
8	5	Nativity Virgin Mary.	5 42	6 18	2 36	5 33	28
9	6	*with rain;*	5 43	6 17	2 56	5 11	♒ 12
10	7	Bull's eye riſes 10 10	5 44	6 16	3 17	4 48	26
11	B	Sirius riſes 2 11	5 46	6 14	3 38	4 25	♓ 9
12	2	*then fine*	5 47	6 13	3 58	4 2	23
13	3	♄ ſouth 1 40	5 48	6 12	4 19	3 39	♈ 5
14	4	Day 12 20	5 50	6 10	4 40	3 16	18
15	5	*and pleaſant;*	5 51	6 9	5 1	2 53	♉ 1
16	6	Arcturus ſets 9 39	5 52	6 8	5 22	2 30	13
17	7	Cor. ♌ riſes 3 28	5 54	6 6	5 44	2 7	25
18	B	*cloudy with*	5 55	6 5	6 5	1 43	♊ 7
19	2	♄ ſou. 1 17, ☽ Apo.	5 56	6 4	6 26	1 20	18
20	3	*rain;*	5 58	6 2	6 47	0 56	♋ 0
21	4	St. Matthew. ☿ Stat.	5 59	6 1	7 7	0 33	12
22	5	☉ enters ♎	6 0	6 0	7 28	N. 10	25
23	6	*windy*	6 2	5 58	7 49	S. 13	♌ 7
24	7	Sirius riſes 1 21	6 3	5 57	8 9	0 37	20
25	B	*weather,*	6 4	5 56	8 30	1 0	♍ 3
26	2	Bull's eye riſes 9 12	6 6	5 54	8 50	1 24	17
27	3	*and*	6 7	5 53	9 10	1 47	♎ 0
28	4	♀ Stationary.	6 8	5 52	9 29	1 11	15
29	5	St. Michael.	6 9	5 51	9 49	2 34	29
30	6	*rain.*	6 10	5 50	10 8	2 57	♏ 13

	D.	H.	M.
First ☽	5	36	M.
Full ○	12	6	M.
Laſt ☾	20	2	M.
New ●	27	6	A.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	♁	☾'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
1	9 ♍	16 ♌	18 ♍	5 ♎	24 ♏	22 ♎	5 ♍	14 ♎	4	0		2	4
7	15	16	18	6	28	27	11	14	10	5	N.	1	43
13	21	17	17	7	♌	♍	17	14	16	1	N.	1	21
19	26	17	17	9	6	2	20	13	22	5	S.	0	59
25	♎	17	16	10	9	4	19	13	28	3	S.	0	

So woman born to dignify retreat,
Unknown, to flouriſh, and unſeen, be great;
To give domeſtic life its ſweeteſt charm,
With ſoftneſs poliſh, and with virtue warm;

D	☽ ſets	☽ ſou.	H.W.
1	8 20	2 38	4 14
2	8 59	3 31	5 7
3	9 43	4 26	6 2
4	10 31	5 22	6 58
5	11 26	6 20	7 56
6	morn.	7 18	8 54
7	0 24	8 15	9 51
8	1 27	9 11	10 47
9	2 33	10 4	11 40
10	3 39	10 55	0 4
11	4 44	11 44	0 55
12	riſes.	morn.	1 44
13	6 53	0 31	2 31
14	7 26	1 18	3 18
15	8 0	2 4	4 4
16	8 36	2 50	4 50
17	9 13	3 36	5 36
18	9 55	4 22	6 22
19	10 39	5 10	7 10
20	11 29	5 58	7 58
21	morn.	6 46	8 48
22	0 23	7 35	9 35
23	1 20	8 24	10 24
24	2 19	9 13	11 13
25	3 21	10 2	0 0
26	4 25	10 52	0 28
27	ſets.	11 44	1 20
28	6 25	aft. 37	2 13
29	7 4	1 31	3 7
30	7 47	2 27	4 3

the ſeed leaf, go over the field with a barley roller, IN THE NIGHT, and at the interval of two or three days at fartheſt, go over it again a ſecond time, in the ſame manner, and at the ſame time, unleſs after the firſt night rolling you obſerve the plants ſtrong and vigorous, and in a ſtate free from danger, which in clean ſandy or loamy land will often be the caſe. But in rough and ſtony ground the ſecond night muſt not be omitted.

The roller muſt be eighteen or twenty inches in diameter, that it may have weight ſufficient to anſwer the intended purpoſe.

By this proceſs the ſlug is deſtroyed while feeding on the plant, the operations of the earth-worm are impeded, the activity of the fly checked, the power of the ſun abated, and the vigor of the plants increaſed in proportion as the earth is broken by the roller, and preſſed cloſer to the roots.

But it may poſſibly be aſked (as the ſole dependance is on rolling for deſtroying the ſlugs) why it may not all be performed in the day time? To this the anſwer is eaſy. The ſlug is impatient of the heat of the ſun; retires by day into the earth for ſhelter, and except in moiſt, cloſe, and cloudy weather, I have at no time been able to ſee any, and then but very few, ſo that rolling in the day cannot be effectual to that purpoſe, though in other reſpects it will be moſt certainly beneficial.

OCTOBER. Tenth Month.

Beau mark'd my unſucceſsful pains
With fix'd, conſiderate face,
And, puzzling, ſet his puppy brains
To comprehend the caſe.
But with a chirrup, clear and ſtrong,
Diſperſing all his dream,
I thence withdrew, and followed long
The winding of the ſtream.

		Remarkable days, &c.	☉ri.	☉ſet	☉faſt.	☉ S.	☽pl.
1	7	♄ ſouth 12 30	6 11	5 49	10 27	3 21	♏ 28
2	B	☽ in Perigee.	6 13	5 47	10 45	3 44	♐ 13
3	2	Sirius riſes 12 54	6 14	5 46	11 4	4 7	27
4	3	Days decreaſe 3 20	6 15	5 45	11 22	4 31	♑ 11
5	4	♂ ☉ ☿ inferi. ♂ ☉ ♃	6 17	5 43	11 40	4 54	25
6	5	*Cloudy and*	6 18	5 42	11 57	5 17	♒ 9
7	6	♂ riſes 1 23	6 20	5 40	12 13	5 40	22
8	7	☌ ☉ ♄	6 22	5 38	12 30	6 3	♓ 6
9	B	*like for*	6 23	5 37	12 46	6 26	19
10	2	7*s ſouth 2 23	6 24	5 36	13 2	6 49	♈ 1
11	3	☽ eclipſed, viſible.	6 25	5 35	13 17	7 11	14
12	4	*rain;*	6 27	5 33	13 32	7 34	26
13	5	☿ Stationary.	6 28	5 32	13 46	7 56	♉ 9
14	6	*cool and*	6 29	5 31	13 59	8 18	21
15	7	Day 11h.	6 30	5 30	14 13	8 41	♊ 3
16	B	Arct. ſets 7 55, ☽ Apo.	6 32	5 28	14 25	9 3	15
17	2	Sirius riſes at 12	6 33	5 27	14 37	9 25	26
18	3	St. Luke. ☿ gr. el. occi.	6 34	5 26	14 48	9 47	♋ 8
19	4	♂ ☉ ♀ inferior.	6 35	5 25	14 59	10 8	20
20	5	*pleaſant,*	6 36	5 24	15 9	10 30	♌ 2
21	6	7*s ſouth 1 46	6 38	5 22	15 18	10 52	15
22	7	*but ſoon*	6 39	5 21	15 27	11 13	28
23	B	☉ enters ♏	6 40	5 20	15 35	11 34	♍ 11
24	2	*bluſtering*	6 41	5 19	15 42	11 55	24
25	3	Criſpin. ♂ ☿ ♃	6 42	5 18	15 48	12 16	♎ 8
26	4	☽ with ♃	6 44	5 16	15 54	12 36	23
27	5	*and cold*	6 45	5 15	16 0	12 57	♏ 7
28	6	Simon and Jude.	6 46	5 14	16 4	13 17	22
29	7	☽ in Perigee.	6 47	5 13	16 7	13 37	♐ 7
30	B	Arcturus ſets 7 1	6 48	5 12	16 10	13 56	22
31	2	*with ſome froſt.*	6 50	5 10	16 12	14 16	♑ 7

	D.	H.	M.
First ☽	4	11	43 M.
Full ○	11	8	41 A.
Laſt ☾	20	0	48 M.
New ●	27	5	21 M.

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☾'s Age	●'s Lat. D.		Alioth on Mer. H.	M.
1	8	18	16	11	13	4	15	13	4	4	N.	0	16
7	14	18	16	12	16	3	8	12	10	4	N.	11	50
13	20	18	15	14	20	♑	5	12	16	2	S.	11	28
19	26	18	15	15	23	26	8	12	22	5	S.	11	6
25	♍	19	14	16	27	23	15	12	28	0		10	43

Fearful of fame, unwilling to be known,
Sould ſeek but Heaven's applauſes and her own;
No cenſures dread but thoſe which crimes impart,
The cenſures of a ſelf-condemning heart.

D	☽ ſets.		☽ ſou.		H. W.	
1	8	37	3	25	5	1
2	9	32	4	25	6	1
3	10	30	5	23	6	59
4	11	30	6	20	7	56
5	morn.		7	16	8	52
6	0	35	8	8	9	44
7	1	39	8	59	10	35
8	2	44	9	48	11	24
9	3	48	10	35	0	0
10	4	51	11	21	0	35
11	riſes.		morn.		1	21
12	6	7	0	7	2	7
13	6	42	0	52	2	52
14	7	20	1	38	3	38
15	7	59	2	25	4	25
16	8	43	3	12	5	12
17	9	30	4	0	6	0
18	10	19	4	47	6	47
19	11	13	5	34	7	34
20	morn.		6	22	8	22
21	0	11	7	10	9	10
22	1	12	7	58	9	58
23	2	14	8	48	10	48
24	3	18	9	37	11	37
25	4	24	10	29	0	5
26	5	35	11	22	0	58
27	ſets.		aft.	19	1	55
28	6	33	1	17	2	53
29	7	26	2	17	3	53
30	8	25	3	18	4	54
31	9	27	4	18	5	54

To prepare Seed to be ſown on poor and ſandy Lands.

TAKE 12 or 13 pounds of ſheeps' dung, which you will boil, dregs and all, in a good deal of water. Diſſolve three or four pounds of ſaltpetre, and infuſe in this pickle for eight hours a buſhel of new wheat, &c. Dry it in an airy place, not much expoſed to the ſun. Repeat this operation ſeveral times, and ſow your grain thinly.

I. Grain thus prepared ſtarts ſooner than when ſown in the uſual methods.

II. The birds are not ſo fond of feeding on it.

III. It grows thick and large—but ought to be ſown thinner than uſual.

IV. Grain produced from ſeed thus prepared is not ſo liable to blaſt, to ſmut, or mildew, as unprepared corn.

An approved Method to preſerve the fine Flavor of Butter, and to prevent its growing rancid.

TO a peck of fine ſalt add one ounce of crude ſal ammoniac, and two ounces of ſaltpetre, both finely powdered, mix them intimately with the fine ſalt: with this ſalt work your butter until the butter-milk is entirely extracted, then pack it in wooden firkins, ſalting it with the ſame mixed ſalt to ſuch a degree as to be palatable when eat with bread, and no ſalter. The mixture is ſtronger than fine ſalt, of conſequence ſomething leſs is required.

My ramble ended, I return'd,
Beau, trotting far before,
The floating flower again diſcern'd,
And, plunging, left the ſhore.
I ſaw him with that Lily cropt,
Impatient ſwim to meet
My quick approach, and ſoon he dropt
The treaſure at my feet.

		Remarkable days, &c.	☉ri.	☉ſet	☉faſt.	☉ S.	☽pl.
1	3	All Saints.	6 51	5 9	16 13	14 35	♑ 22
2	4	*Falling*	6 52	5 8	16 14	14 54	♒ 5
3	5	Sirius riſes 10 59	6 54	5 6	16 13	15 13	19
4	6	*weather;*	6 55	5 5	16 12	15 32	♓ 3
5	7	7*s ſouth 12 45	6 56	5 4	16 11	15 50	16
6	B	*clears up*	6 58	5 2	16 8	16 8	28
7	2	♄ ſouth 10 0	6 59	5 1	16 4	16 26	♈ 11
8	3	Day 10h.	7 0	5 0	15 59	16 43	23
9	4	♀ Stationary.	7 1	4 59	15 54	17 0	♉ 5
10	5	*cold, but*	7 2	4 58	15 48	17 17	17
11	6	Martin. □ ☉ ✶	7 3	4 57	15 41	17 34	29
12	7	☽ in Apogee.	7 4	4 56	15 34	17 50	♊ 11
13	B	♂ riſes 12 45	7 5	4 55	15 25	18 6	23
14	2	Bull's eye ſouth 1 0	7 6	4 54	15 15	18 22	♋ 5
15	3	*ſoon grows*	7 7	4 53	15 5	18 37	17
16	4	Sirius ſouth 3 3	7 7	4 53	14 54	18 52	29
17	5	*more moderate;*	7 8	4 52	14 42	19 7	♌ 11
18	6	7*s ſouth at 12	7 9	4 51	14 28	19 21	23
19	7	♃ riſes 4 2	7 10	4 50	14 15	19 35	♍ 6
20	B	Day 9 38	7 11	4 49	14 0	19 49	19
21	2	*hard froſts;*	7 12	4 48	13 45	20 2	♎ 2
22	3	☉ enters ♐. ♂ ☾ ♃	7 12	4 48	13 29	20 15	16
23	4	Clement. ♂ ♀ ♃	7 13	4 47	13 12	20 28	♏
24	5	*perhaps*	7 14	4 46	12 54	20 40	15
25	6	♄ ſouth 8 43	7 15	4 45	12 35	20 52	♐
26	7	☽ in Perigee.	7 16	4 44	12 16	21 3	16
27	B	Advent.	7 16	4 44	11 56	21 14	♑
28	2	Sirius ſouth 12 24	7 17	4 43	11 35	21 25	16
29	3	*ſnow.*	7 18	4 42	11 14	21 35	♒
30	4	St. Andrew.	7 18	4 42	10 52	21 45	1

	D.	H.	M.
First ☽	2	8	7 A.
Full ○	10	2	6 A.
Laſt ☾	18	6	11 A.
New ●	25	3	37 A.

Days	Planets' Places, &c. ☉	☽	♄	♅	♂	♀	☿	☊	☾'s Age	●'s Lat. D.		Aloth on Mer. H.	M.
	♏	♌	♑	♎	♐	♐	♐	♐					
1	9	19	14	18	1	20	26	11	6	5	N.	10	16
7	15	19	13	19	4	19	♏	11	12	0		9	52
13	21	19	13	20	7	19	15	11	18	5	S.	9	28
19	27	19	13	21	10	20	25	10	24	3	S.	9	3
25	♐	19	12	23	13	23	♐	10	30	4	N.	8	39

With angel kindneſs ſhould behold diſtreſs,
And meekly pity, where ſhe can't redreſs.
Like beaming mercy wipe affliction's tear,
But to herſelf [illegible]

D	☽ ſets	☽ ſou.	H.
1	10 30	5 15	6
2	11 35	6 9	7
3	morn.	7 0	8
4	0 39	7 49	9
5	1 43	8 36	10
6	2 46	9 22	10
7	3 48	10 7	11
8	4 44	10 53	0
9	5 41	11 36	0
10	riſes.	morn.	1
11	5 55	0 22	2
12	6 39	1 8	3
13	7 25	1 56	3
14	8 13	2 43	4
15	9 4	3 30	5
16	9 59	4 17	6
17	10 56	5 3	7
18	11 55	5 49	7
19	morn.	6 36	8
20	0 57	7 24	9
21	2 0	8 12	10
22	3 7	9 4	11
23	4 17	9 57	11
24	5 28	10 54	0
25	ſets.	11 54	1
26	6 2	aft. 55	2
27	7 4	1 57	3
28	8 10	2 58	4
29	9 18	3 56	5
30	10 26	4 51	6

Ague.

EARL[illegible] ...n of the year take nine cloves of garlic, one every morning for three ſucceſſive mornings; miſs three, and take three till the nine are taken.

PHILOSOPHICAL MAXIMS.

IT is much better to ſleep without ſupper, than to wake in the morning in debt.

An indiſcreet man is like an unſealed letter: every body may read it.

Idleneſs has no advocate, but many friends.

Frugality and induſtry are the ſervants of fortune.

Ambition, without real talents, will involve one, ſooner or later, in diſgrace.

Inſcribe injuries on ſand, and benefits on marble.

DECEMBER. Twelfth Month.

Charm'd with the ſight, the world, I cry'd,
Shall hear of this thy deed,
My Dog ſhall mortify the pride
Of Man's ſuperior breed.
But chief myſelf I will enjoin,
Awake at Duty's call,
To ſhew a love as prompt as thine
To Him who gives me all.

		Remarkable days, &c.	☉ri.	☉ſet	☉faſt.	☉ S.	● pl.
1	5	♄ ſouth 8 16	7 19	4 41	10 28	21 54	♒ 29
2	6	Day to ſhorten 10m.	7 20	4 40	10 5	22 3	♓ 12
3	7	Sirius riſes 8 49	7 20	4 40	9 41	22 12	25
4	B	*Clear and*	7 21	4 39	9 17	22 20	♈ 8
					8 52	22 27	20
					8 26	22 34	♉ 2
					8 0	22 41	14
					7 34	22 47	25
					7 7	22 53	♊ 8
					6 40	22 59	20
					6 11	23 4	♋ 2
					6 43	23 8	14
					5 14	23 12	26
					4 46	23 16	♌ 8
					4 17	23 19	20
10	6	Day 9 10			3 48	23 22	♍ 2
17	7	*for the*	7 25	4 35	3 18	23 24	15
18	B	Sirius riſes 7 43	7 25	4 35	2 48	23 25	28
19	2	♃ riſes 2 18	7 25	4 35	2 18	23 27	♎ 11
20	3	♂ ☾ ♃	7 25	4 35	1 48	23 27	25
21	4	St. Thomas. ☉ in ♑	7 25	4 35	1 18	23 28	♏ 9
22	5	*ſeaſon.*	7 25	4 35	0 48	23 28	24
23	6	Cor. ♌ riſes 9 3	7 25	4 35	0 18	23 27	♐ 9
24	7	☽ in Perigee.	7 25	4 35	ſlow.	23 26	24
25	B	CHRISTMAS.	7 25	4 35	0 42	23 24	♑ 9
26	2	St. Stephen.	7 25	4 35	1 12	23 22	25
27	3	St. John.	7 25	4 35	1 42	23 20	♒ 9
28	4	Innocents.	7 24	4 36	2 12	23 17	24
29	5	♀ greateſt elong. occi.	7 24	4 36	2 41	23 13	♓ 8
30	6	Days increaſe 2m.	7 24	4 36	3 11	23 9	21
31	7	Silveſter.	7 24	4 36	3 39	23 5	♈ 4

DECEMBER, Twelfth Month, *hath* 31 *Days.*

Days	Planets' Places, &c. ☉	☽	♄	♃	♂	♀	☿	☊	☽'s Age	●'s Lat. D.		Alioth on Mer. H. M.
	♐	♋	♑	♑	♍	♑	♐	♑				
1	9	19	12	24	16	27	14	10	6	3	N.	8 13
7	15	19	12	25	19	♎	23	9	12	3	S.	7 47
13	21	19	12	26	22	6	♏	9	18	5	S.	7 20
19	28	19	12	27	24	11	12	9	24	0		6 54
25	♏	18	12	28	26	17	21	8	30	5	N.	6 27

First ☽ 2 7 50 M.
Full ○ 10 9 3 M.
Last ☾ 18 9 16 M.
New ● 25 1 48 M.
First ☽ 31 11 20 A.

Her passions all corrected or subdu'd
But one—the virtuous thirst of doing good.
This great ambition still she calls her own,
This best ambition makes her breast its throne.

D	☽ sets	☽ sou.	H. W.
1	11 30	5 41	7 16
2	morn	6 28	8 4
3	0 30	7 14	8 50
4	1 30	7 59	9 35
5	2 29	8 43	10 19
6	3 27	9 27	11 3
7	4 22	10 12	11 48
8	5 16	10 58	0 12
9	6 10		
10	rise.		
11	6		
12	6		
13	7		
14	8		
15	9		
16	10		
17	11		
18	morn		
19	0 3		
20	1 4		
21	2 51		
22	4 1		
23	5 10	10	
24	6 19	11	
25	sets.	aft. 2	
26	6 42	1 26	3 2
27	7 51	2 24	4 0
28	9 0	3 18	4 54
29	10 5	4 9	5 45
30	11 7	4 56	6 32
31	morn.	5 42	7 18

The man that acts the buffoon in company, displays just understanding enough to be a fool.

Do nothing in the moment of wrath. Would you put to sea in the midst of a tempest?

Sarcastic pleasantry is the poison of friendship.

No persons are more empty, than those who are full of themselves.

Knowledge is the ornament of the rich, and the riches of the poor.

Knowledge is a treasure, of which study is the key.

Disease walks in the footsteps of intemperance; poverty in those of idleness.

ECLIPSES *for the* YEAR 1791.

There are four Eclipſes of the Sun and Moon this Year, *viz.*

I. An annular and nearly central eclipſe of the *Sun*, or a curious tranſit of the ☾ over the ☉'s diſc, on the 3d of the fourth month (April) in the morning; viſible:

	N.York. H.	M.	*Philad.* H.	M.	*Baltimore.* H.	M.
Beginning - - - - -	5	44	5	39	bef. ☉ riſe.	
Neareſt approach of centres	6	52	6	46½	6	38½
☌ ☉ ☾ - - - - - -	7	44	7	40	7	34
End - - - - - -	8	9	8	2½	7	53½
Duration - - - - -	2	25	2	23½	2	11½

Annular 2 $\frac{1}{5}$ min. before and after the neareſt approach of centres.

The firſt apparent contact is about 60° from the ſolar vertex on the right hand, juſt when that part of the diſc becomes viſible by refraction at Philadelphia before the ſun's centre riſes. A line running from near Cape May thro' Philadelphia to Lake Ontario, making an angle of about 20° with the meridian, ſeparates thoſe parts of the United States north-eaſtward, where the whole duration may be ſeen, from thoſe ſouth-weſtward, to which the ſun will riſe leſs or more eclipſed. At Charleſton, $\frac{1}{2}$ the diameter is eclipſed at riſing, and the greateſt obſcuration 10 $\frac{2}{3}$ digits on the northern limb, at a quarter paſt 6. Magnitude at London, 7 $\frac{1}{4}$ digits, at 1h. 46m. P. M.

The apparent direction of the moon is exhibited by the alphabetical order of the letters A B C in the ſubjacent type.

[illegible] pril) at 41m [illegible] near the meri[illegible] of Canton, a ſhade of 9 $\frac{1}{3}$ digits on her ſouthern limb, may be obſerved in the Eaſt Indies, &c.

III. Of the *Sun*, on the 27th of the ninth month (September) at quarter paſt 7, P. M. it will be total near the ſouthern parts of New Holland and New Zealand; but not to be ſeen here.

IV

IV. Of the *Moon*, on the 11th of the tenth month (October) in the evening; visible:

	N.York. H.	M.	*Philad.* H.	M.	*Baltimore.* H.	M.
Beginning -	7	3	6	59	6	53
Middle - -	8	39	8	35	8	29
End - - -	10	14	10	10	10	4

Digits eclipsed, $9\frac{1}{4}$, on the north limb.

Rule *to find the Time of* High-water *at the following Places.*

To the time of the moon's southing in the calendar, add, for

	H.	M.
Cape May, Cape Henlopen, and Port Roseway, - - -	8	15
Wilmington in Delaware State, - -	0	10
New-York, - - - -	9	0
Cape Henry and Cape Hatteras, - -	11	0
Charlestown Light-house, - - -	7	0
Cape Canso and Island Sable, - -	8	30
Halifax and Cape Sable, - - -	8	0
Boston and Cape Ann Light-house, -	10	0
Nantucket Shoals and Sandwich Bay, -	9	0

For the time of high-water at the proposed place.

N. B. If after the addition, the sum be greater than 12 hours, throw 12 hours away, and the remainder is the time of high-water.

A *Table* of the *Weight* and *Value* of sundry *Coins*, as they now pass in *Great-Britain* and the *United States* of *America*.

NAMES of COINS.	*Weight Standard* dwt.	gr	*Sterling Money of Great Britain.* £.	s.	d.	*Pennsylva. N. Jersey, Delaware, and Maryland.* £.	s.	d.	*N. Hamp. Massachus. Rh. Island, Connecticut Virginia.* £.	s.	d.	*New-York and North Carolina.* £.	s.	d.	*South Carolin. and Georgia.* £	s.	d.
English Guineas	5	6	1	1	0	1	15	0	1	8	0	1	17	4	1	1	9
French ditto	5	5	1	1	0	1	14	6	1	7	6	1	16	0	1	1	5
English Crowns	19	0	0	5	0	0	8	4	0	6	8	0	9	0	0	5	0
French ditto	19	0	0	5	0	0	8	4	0	6	8	0	9	0	0	5	0
English Six-pence	1	21	0	0	6	0	0	10	0	0	8	0	0	$10\frac{1}{2}$	0	0	6
Spanish Dollars	17	6	0	4	6	0	7	6	0	6	0	0	8	0	0	4	8
Johannes	18	0	3	12	0	6	0	0	4	16	0	6	8	0	4	0	0
Half Johannes	9	0	1	16	0	3	0	0	2	8	0	3	4	0	2	0	0
French Pistoles	4	4	0	16	0	1	7	6	1	2	0	1	8	0	0	17	6
Spanish ditto	4	6	0	16	6	1	8	0	1	2	0	1	9	0	0	18	0
Doubloons	16	21	3	6	0	5	12	6	4	8	0	5	16	0	3	10	0
Moidores	6	18	1	7	0	2	5	0	1	16	0	2	8	0	1	8	0

Table of the Federal Money of Accompt, as eſtabliſhed by Congreſs.

10 Mills	make	1 Cent.
10 Cents		1 Dime.
10 Dimes		1 Federal Dollar.
10 Dollars		1 Eagle.

Table of the Value of the differeut Denominations of Money of Foreign Countries in Federal Money, as eſtabliſhed by Congreſs.

	Dol.	Cts.
THE pound ſterling of Great-Britain,	4	44
Pound ſterling of Ireland,	4	10
Livre tournois of France,	0	18½
Florin or guilder of the United Netherlands,	0	39
Mark banco of Hamburgh,	0	33⅓
Rix dollar of Denmark,	1	0
Ditto of Sweden,	1	0
Ruble of Ruſſia,	1	0
Real plate of Spain,	0	10
Milree of Portugal,	1	24
Tale of China,	1	48
Pagoda of India,	1	94
Rupee of Bengal,	0	55½
The gold coins of France, Spain, England, and Portugal, and all other gold coin of equal fineneſs, per dwt.	0	89
Mexican dollar,	1	0
Crown of France,	1	11
Ditto of England,	1	11
All other ſilver coin of equal fineneſs, per oz.	1	11

All other denominations of money, in value as near as may be to the ſaid rates.

The Yearly and General Meetings of the People called QUAKERS, *are held,*

AT Philadelphia, the fourth Firſt-day in the Third and Ninth-months; at Wilmington, the next Firſt-day after Spring meeting in Philadelphia; at Cheſter River, the third Seventh-day in the Fourth-month; at Duck Creek, the fourth Seventh-day in the Fourth-month; at Salem, the third Firſt-day in the Fifth-month; at Fluſhing on Long-Iſland, the laſt Firſt-day in the Fifth-month; at Little Egg-Harbour, the firſt Firſt-day in the Sixth-month; at Curls and Black Water in Virginia, alternately, the third Seventh-day in the Fifth-month; at Baltimore for Maryland, the ſecond Firſt-day in the Tenth-month; at Newport (Rhode-Iſland) the ſecond Sixth-day in the Sixth-month; at Little Creek, the fourth Seventh-day in the Tenth-month; at Shrewſbury, the fourth Firſt-day in the Tenth-month; at Cæcil, the third Seventh-day in the Tenth-month; at Matinicock on Long-Iſland, the laſt Firſt-day in the Tenth-month; at the Old Neck in Perquimons, North Carolina, the fourth Sixth-day in the Tenth-month.

COURTS OF LAW.

PENNSYLVANIA.

Courts of Errors and Appeals are held,

AT Philadelphia, at leaſt twice every year, *viz.* on the 6th of April and 20th of September, unleſs it falls on Sunday, in which caſe on the day following.

Supreme Courts are held,

AT Philadelphia, the 2d of January, 2d of April, 2d of July, and 24th of September, unleſs any of the ſaid days ſhould happen to be on Sunday, then on the Monday next enſuing. In the reſt of the ſtate as may be appointed by the judges.

Courts of Oyer and Terminer, all over the ſtate, are held as occaſion may require, appointed by the judges.

Quarter Seſſions and Common Pleas are held,

AT Philadelphia, the firſt Monday in March, June, September, and December (the Common Pleas the Wedneſday following;) at Newtown, for Bucks county, the next Mondays after the Common Pleas in Philadelphia; at Weſt-Cheſter, for Cheſter county, the Mondays before the laſt Tueſdays in February, May, Auguſt, and November; at Lancaſter, the Mondays before the firſt Tueſdays in each; at York, the Mondays before the laſt Tueſdays in January, April, July, and October; at Carliſle, for Cumberland county, the Mondays preceding York courts; at Reading, for Berks county, the Mondays next after Lancaſter courts; at Eaſton, for Northampton county, the Mondays next after Bucks courts; in Montgomery, the Mondays next after Northampton courts; at Bedford, for Bedford county, the Mondays preceding Carliſle courts; at Sunbury, for Northumberland county, the Mondays before the fourth Tueſdays in February, May, Auguſt, and November; at Hannah's Town, for Weſtmoreland county, the Mondays next preceding Bedford courts; at Cat-Fiſh Camp, for Waſhington county, the Mondays next preceding Weſtmoreland courts; at Union, for Fayette county, the Mondays next preceding Waſhington courts; at Chamberſburg, for Franklin county, the Mondays preceding Fayette courts; at Dauphin, the Mondays before the third Tueſdays in February, May, Auguſt, and November; for Luzerne, the Mondays after Northumberland courts; for Huntingdon, the Mondays before the firſt Tueſdays in March, June, September, and December; at Pittſburgh, for Allegheny county, the Mondays next preceding Fayette courts; for Mifflin, the Mondays before the ſecond Tueſdays in March, June, September, and December; at Cheſter, for Delaware county, the Mondays before the ſecond Tueſdays in February, May, Auguſt, and November.

Mayor's Courts for the City of Philadelphia, are held,

ON the third Monday in March, June, September, and December.

The Aldermen's Court is held,

AT the Old Court-Houſe, in the forenoon of Monday and Thurſday in every week.

Supreme Courts in DELAWARE *are held,*

FOR New-Caſtle county, the ſecond Tueſday in April and October; for Kent county, the third Tueſday, and for Suſſex, the fourth Tueſday in the aforeſaid months.

Courts of Quarter Seſſions are held,

FOR Suſſex county, the firſt Monday in February, May, Auguſt, and November; for Kent county, the ſecond Monday, and for New-Caſtle county, the third Monday, in the aforeſaid months.

Courts of Common Pleas are held,

IN the counties reſpectively, on the Wedneſdays after the Quarter Seſſions.

Supreme Courts in NEW-JERSEY *are held,*

AT Trenton, the firſt Tueſday in April and September, the ſecond Tueſday in May and November, annually.

Inferior Courts of Common Pleas, and Courts of General Quarter Seſſions of the Peace, in the ſeveral counties, are held in the

County of	Tueſday in			
Middleſex,	3 January,	1 April,	3 July,	2 October;
Monmouth,	4 January,	4 April,	4 July,	3 October;
Eſſex,	2 January,	2 April,	4 June,	3 September;
Somerſet,	1 January,	3 April,	3 June,	1 October;
Bergen,	4 January,	4 March,	2 June,	4 October;
Morris,	3 March,	1 July,	4 Septem.	3 December;
Burlington,	2 February,	3 May,	2 Auguſt,	1 November;
Glouceſter,	3 March,	3 June,	1 October,	2 December;
Salem,	1 March,	2 June,	3 Septem.	1 December;
Cape May,	1 February,	4 May,	1 Auguſt,	4 October;
Hunterdon,	1 February,	1 May,	1 Auguſt,	4 October;
Cumberland,	laſt February,	1 June,	4 Septem.	laſt Novem.
Suſſex,	3 February,	4 May,	3 Auguſt,	4 November.

☞ Courts of Niſi Prius are to be held at ſuch times and places, in the reſpective counties, as the Juſtices of the Supreme Court, for the time being, or any of them, ſhall direct and appoint.

General Courts in MARYLAND *are held,*

FOR the Weſtern-Shore, at Annapolis, on the ſecond Tueſdays in May and October.

For the Eaſtern-Shore, at Talbot Court-Houſe, on the ſecond Tueſdays in April and September.

Courts of Appeals are held,

AT Annapolis, the firſt Tueſdays in May and October.

Chancery Courts are held,

AT Annapolis, the ſecond Tueſday in February, third in May and October, and ſecond in December.

County Courts are held,

FOR the Weſtern-Shore—At St. Mary's the firſt Tueſday; at Baltimore, the Mondays before the firſt Tueſdays; at Charles, Anne Arundel, and Montgomery counties, the ſecond Tueſdays; at Calvert and Frederick counties, the third Tueſdays; and at Prince George's, Hartford, and Waſhington counties, the fourth Tueſdays in March, Auguſt, and November.

For the Eaſtern-Shore—At Talbot county, the Mondays before the firſt Tueſdays; at Worceſter county, the firſt Tueſdays; at Cecil and Dorcheſter counties, the ſecond Tueſdays; at Kent county, the Mondays before the third Tueſdays; at Somerſet and Caroline counties, the third Tueſdays; and Queen Anne's county, the fourth Tueſdays, in March, June, and October.

Orphans' Courts are held,

FOR the reſpective counties, at the place where the county courts are uſually held, on the ſecond Tueſdays in February, April, June, Auguſt, October, and December.

Mayor's Courts,

FOR the City of Annapolis, are held quarterly, viz. on the laſt Tueſday in January, April, July, and October.

Superior Courts in VIRGINIA, *are held at* Richmond, *yearly*, viz.

COURTS of Appeals; one the 29th of March, the other the 29th of Auguſt, which hold ſix juridical days.

High Court of Chancery; one the 5th of April, the other the 5th of September, which hold 18 days, Sundays excluded.

General Court; one the 1ſt of March, the other the 10th of October, which hold 24 days, Sundays excluded, and no longer.—Additional Seſſions of the General Court, the 2d Tueſdays in June and Dec.

County Courts, for each Month:

FIRST Monday; Amherſt, Henrico, Richmond, Ohio, Prince William, Charlotte, and Williamſburg.—Second Monday; James City, Northumberland, Nanſemond, Buckingham, King and Queen, Stafford, Mecklenburg, Louiſa, and Monongahela.—Third Monday; Dinwiddie, Eſſex, York, Prince Edward, Fairfax, Goochland, and Culpepper.—Fourth Monday; Cumberland, Brunſwick, Fauquier, Middleſex, Bedford, Yohagony, Rockingham, Loudon.—Firſt Tueſday; Frederick, Montgomery, Kentucky, and Rocky-Ridge.—Second Tueſday; Northampton, Prince George, and Hampſhire.—Third Tueſday; Auguſta, Berkley, Greenbriar, and Pittſylvania.—Fourth Tueſday; Surry.—Laſt Tueſday; Accomack, Weſtmoreland, and Waſhington.—Firſt Wedneſday; Charles City.—Firſt Thurſday; Iſle of Wight, Hanover, King George, Glouceſter, and Fluvannah.—Second Thurſday; Princeſs Anne, Warwick, Albemarle, Caroline, New Kent, Southampton, Lunenburg, and Botetourt.—Third Thurſday; King William, Halifax, Suſſex, Spotſylvania, Lancaſter, Norfolk, and Powhatan.—Fourth Thurſday; Amelia, Orange, Elizabeth City, and Henry.—Laſt Thurſday; Shenandoah.—Firſt Friday; Cheſterfield.

A TABLE *of* INTEREST *at* 6 *per* CENT.

A TABLE of SIMPLE-INTEREST, at Six Pounds *per Cent.* from Five Shillings to a Thousand Pounds: and to avoid Fractions, it is as near the Truth as possibly it can be.

Principal.	One Month.	Three Months.	Six Months.	Nine Months.	A YEAR.
Shillings.	s. d. q.	s. d. q.	s. d. q.	s. d. q.	s. d. q.
5	0 0 1	0 0 3	0 1 3	0 2 3	0 3 2
10	0 0 2	0 1 3	0 3 2	0 5 2	0 7 1
15	0 0 3	0 2 3	0 5 2	0 8 0	0 10 2
Pounds.					
1	0 1 1	0 3 2	0 7 1	0 10 2	1 2 2
2	0 2 2	0 7 1	1 2 2	1 9 3	2 4 3
3	0 3 2	0 10 2	1 9 2	2 8 2	3 7 1
4	0 4 3	1 2 2	2 4 3	3 7 1	4 9 2
5	0 6 0	1 6 0	3 0 0	4 6 0	6 0 0
6	0 7 1	1 9 2	3 7 1	5 4 3	7 2 2
7	0 8 2	2 1 1	4 2 2	6 3 2	8 4 3
8	0 9 2	2 4 3	4 9 2	7 2 2	9 7 1
9	0 10 3	2 8 2	5 4 3	8 1 1	10 9 2
Tens of Pounds.	*l.* *s.* *d.*	*l.* *s.* *d.*	*l.* *s.* *d.*	*l.* *s.* *d.*	*l.* *s.* *d.*
10	0 1 0	0 3 0	0 6 0	0 9 0	0 12 0
20	0 2 0	0 6 0	0 12 0	0 18 0	1 4 0
30	0 3 0	0 9 0	0 18 0	1 7 0	1 16 0
40	0 4 0	0 12 0	1 4 0	1 16 0	2 8 0
50	0 5 0	0 15 0	1 10 0	2 5 0	3 0 0
60	0 6 0	0 18 0	1 16 0	2 14 0	3 12 0
70	0 7 0	1 1 0	2 2 0	3 3 0	4 4 0
80	0 8 0	1 4 0	2 8 0	3 12 0	4 16 0
90	0 9 0	1 7 0	2 14 0	4 1 0	5 8 0
100	0 10 0	1 10 0	3 0 0	4 10 0	6 0 0
200	1 0 0	3 0 0	6 0 0	9 0 0	12 0 0
300	1 10 0	4 10 0	9 0 0	13 10 0	18 0 0
400	2 0 0	6 0 0	12 0 0	18 0 0	24 0 0
500	2 10 0	7 10 0	15 0 0	22 10 0	30 0 0
600	3 0 0	9 0 0	18 0 0	27 0 0	36 0 0
700	3 10 0	10 10 0	21 0 0	31 10 0	42 0 0
800	4 0 0	12 0 0	24 0 0	36 0 0	48 0 0
900	4 10 0	13 10 0	27 0 0	40 10 0	54 0 0
1000	5 0 0	15 0 0	30 0 0	45 0 0	60 0 0

A TABLE *of* INTEREST *at* 7 *per* CENT.

	2 *Mon.*			4 *Mon.*			6 *Mon.*			*A Year.*		
Pounds.	*s.*	*d.*	*q.*	*s.*	*d.*	*q.*	*s.*	*d.*	*q.*	*s.*	*d.*	*q.*
1	0	2	3	0	5	2	0	8	1	1	4	3
2	0	5	2	0	11	0	1	4	3	2	9	2
3	0	8	1	1	4	3	2	1	0	4	2	1
4	0	11	0	1	10	4	2	9	2	5	7	0
5	1	2	0	2	4	0	3	6	0	7	0	0
6	1	4	3	2	9	2	4	2	1	8	4	2
7	1	7	2	3	3	0	4	10	2	9	9	1
8	1	10	0	3	8	0	5	7	0	11	2	0
9	2	1	0	4	2	1	6	3	2	12	7	1
Tens of Pounds.	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*	*l.*	*s.*	*d.*
10	0	2	4	0	4	8	0	7	0	0	14	0
20	0	4	8	0	9	4	0	14	0	1	8	0
30	0	7	0	0	14	0	1	1	0	2	2	0
40	0	9	4	0	18	8	1	8	0	2	16	0
50	0	11	8	1	3	4	1	15	0	3	10	0
60	0	14	0	1	8	0	2	2	0	4	4	0
70	0	16	4	1	12	8	2	9	0	4	18	0
80	0	18	8	1	17	4	2	16	0	5	12	0
90	1	1	0	2	2	0	3	3	0	6	6	0
100	1	3	4	2	6	3	3	10	0	7	0	0

The Uſe of this TABLE.——If you would know what the Intereſt of *Thirty Pounds* is for ſix Months, find 30 among *Tens of Pounds*, and right oppoſite it, under 6 *Mon.* ſtands £. 1 1 0.

A Scale *of* Depreciation, *for the Settlement of* Debts, *as eſtabliſhed by the* General Aſſembly *of* Pennſylvania.

1777.		Novem.	3	Sept.	5	July	19	May	59
Janua.	1½	Decem.	4	Octob.	5	Aug.	20	June	61½
Febru.	1½	1778.		Nov.	6	Sept.	24	July	64½
March	2	January	4	Dec.	6	Octo.	30	Aug.	70
April	2½	Febru.	5	1779.		Nov.	38½	Sept.	72
May	2½	March	5	Janu.	8	Dec.	41½	Octo	73
June	2½	April	6	Febru.	10	1780.		Nov.	74
July	3	May	5	Mar.	10½	Janu.	40½	Dec.	75
Auguſt	3	June	4	April	17	Febr.	47½	1781.	
Sept.	3	July	4	May	24	Mar.	61½	Janu.	75
Octob.	3	Auguſt	5	June	20	April	61½	Febr.	75

In 1781, the depreciation was fixed at 75, till the month of May, when the continental money ceaſed to circulate.

A TABLE of the Value of any Number of the following Coins in Pennsylvania, New-Jersey, Delaware, and Maryland.

	Dollars.	FRENCH Crowns.	ENGLISH Guineas.	FRENCH Guineas.
1	£. 0 7 6	£. 0 8 4	£. 1 15 0	£. 1 14 6
2	0 15 0	0 16 8	3 10 0	3 9 0
3	1 2 6	1 5 0	5 5 0	5 3 6
4	1 10 0	1 13 4	7 0 0	6 18 0
5	1 17 6	2 1 8	8 15 0	8 12 6
6	2 5 0	2 10 0	10 10 0	10 7 0
7	2 12 6	2 18 4	12 5 0	12 1 6
8	3 0 0	3 6 8	14 0 0	13 16 0
9	3 7 6	3 15 0	15 15 0	15 10 6
10	3 15 0	3 4	17 10 0	17 5 0
11	4 2 6	4 11 8	19 5 0	18 19 6
12	4 10 0	5 0 0	21 0 0	20 14 0
13	4 17 6	5 8 4	22 15 0	22 8 6
14	5 5 0	5 16 8	24 10 0	24 3 0
15	5 12 6	6 5 0	26 5 0	25 17 6
16	6 0 0	6 13 4	28 0 0	27 12 0
17	6 7 6	7 1 8	29 15 0	29 6 6
18	6 15 0	7 10 0	31 10 0	31 1 0
19	7 2 6	7 18 4	33 5 0	32 15 6
20	7 10 0	8 6 8	35 0 0	34 10 0
30	11 5 0	12 10 0	52 10 0	51 15 0
40	15 0 0	16 13 4	70 0 0	69 0 0
50	18 15 0	20 16 8	87 10 0	86 5 0
60	22 10 0	25 0 0	105 0 0	103 10 0
70	26 5 0	29 3 4	122 10 0	120 15 0
80	30 0 0	33 6 8	140 0 0	138 0 0
90	33 15 0	37 10 0	157 10 0	155 5 0
100	37 10 0	41 13 4	175 0 0	172 10 0
200	75 0 0	83 6 8	350 0 0	345 0 0
300	112 10 0	125 0 0	525 0 0	517 10 0
400	150 0 0	166 13 4	700 0 0	690 0 0
500	187 10 0	208 6 8	875 0 0	862 10 0
600	225 0 0	250 0 0	1050 0 0	1035 0 0
700	262 10 0	291 13 4	1225 0 0	1207 10 0
800	300 0 0	333 6 8	1400 0 0	1380 0 0
900	337 10 0	375 0 0	1575 0 0	1552 10 0
1000	375 0 0	416 13 4	1750 0 0	1725 10 0

ROADS WESTWARD.

From Philadel.		To	Miller's	6	47	Hendrick's	3	105
to Schuylkill	2	tal 2	Douglass's	3	50	Chalmer's	11	116
Black-horse	4	6	The Hat	4	54	Carlisle	3	119
Prince of Wales	4	10	D. of Cumber.	3	57	Shippensburg	21	140
Buck	1	11	Red-Lion	3	60	B. Chambers's	11	151
Sorrel-horse	1	12	Conestogo creek	4	64	Fort Loudon	13	164
Plough	1	13	Lancaster C. H.	2	66	Fort Littleton	18	182
Unicorn	3	16	Scott's	9	75	Juniata	19	201
Blue-ball	4	20	Bayley's	5	80	Bedford	14	215
Admiral Warren	3	23	Hughs's	4	84	Foot of Alleg.	15	230
White-horse	3	26	Sample's	4	88	Stoney-creek	15	245
Downing's	7	33	Sweetarra	3	91	E. side Lau. Hill	12	257
The Ship	2	35	Taylor's	3	94	Fort Ligonier	9	266
Waggon	6	41	Harris's Ferry	8	102	Pittsburg	54	320

Roads Northwestward.

From Philadel.		To	Bartlestall's	4	18	Potts's	8	38
to R. Hood	4	tal 4	Perkioming cre.	6	24	Drury's	9	47
F. St. David's	1	5	Shrack's	2	26	The Compass	2	49
Plymouth meet.	9	14	Widow Lloyd's	4	30	Reading	7	56

Roads from *Reading* to *Easton.*

To Parvin's	6	6	Traxler's	4	26	Bethlehem	5	40
D. Levan's	12	18	Cedar-creek	6	32	Easton	10	50
County Line	4	22	W. B. of Delaw.	3	35			

Roads from *Reading* to *Lancaster.*

To Sink-spring	4	4	J. Kissenger's	3	11	Biar's Mill	5	24
Cokoesing creek	3	7	Cocolico-creek	1	12	Ben. Landis's	3	27
Main Branch of			Dunkers-town			Three Tuns	3	30
ditto	1	8	Mill	7	19	Lancaster	2	32

Roads from *Reading* to *Harris's Ferry.*

To Reynold's	4	4	Benj. Spicker's	3	16	Galbraith's	13	41
Cokoesing-creek	1	5	F. Hatheroad's	4	20	Harris's by S.	3	44
Conrad Weiser's	8	13	John Gamble's	8	28	Harris's ferry	9	53

Roads from *Philadelphia* to *Bethlehem.*

To Germantown	6	6	Baptist meeting	10	23	St. Waggoner	9	47
Whitemarsh	7	13	Swamp meeting	15	38	Bethlehem	6	53

Distance of Places from *Louisburg* to *Pittsburg.*

From Louisburg		To.	Fort Frontenac	90	740	The Store H.	20	980
to Quebec	360	360	Oswego across the			Lake Erie	10	990
Three Rivers	80	440	East End of Lake			Fort Presquisle	90	1080
Montreal	90	530	Ontario	60	800	Fort Beauf. R.	15	1095
La Galette	120	650	Niagara Falls	160	960	Pittsburg	120	1215

Roads Northeaſtward.

FRom Philadel.		To		Stanford	7	141	Dedham	6	35
to Frankfort	5		5	Norwalk	10	151	Boſton	10	36
Shammeny F.	12		17	Fairfield	12	163	Lyn	9	374
Briſtol	3		20	Stratford	8	171	Salem	8	382
Trenton	10		30	Milford	4	175	Ipſwich	14	396
Maidenhead	6		36	New-Haven	10	185	Newberry	11	407
Princeton	6		42	Branford	10	195	Hampton	9	416
Kingſton	3		45	Guilford	12	207	Portſmouth	13	429
Brunſwick	12		57	Killingſworth	10	217	York	9	438
Woodbridge	12		69	Saybrook	10	227	Wells	14	452
Elizabeth-town	10		79	New-London	18	245	Kennebunk	6	458
Eliz. T. Point	2		81	Stonington	15	260	Biddeford	14	472
Staten-Iſland F.	7		88	Pemberton	10	270	Scarborough	7	479
New-York	9		97	Darby	3	273	Falmouth	13	492
Kingſbridge	16		113	Frenchtown	24	297	Yarmouth	10	502
Eaſt-Cheſter	6		119	Providence	20	317	Brunſwick	15	517
New-Rochelle	4		123	Woodcock's	15	332	Richmond	16	533
Rye	4		127	Billend's	10	342	Tanconic Falls	33	566
Horſeneck	7		134	White's	7	349	Norridgwock	31	597

Roads Southweſtward.

FRom Philadel.			Southern's Fer.	30	236	Grave's ferry on		
to Lower F.	4	4	Arnold's Ferry	36	272	Neu's river	32	512
Darby	3	7	Clayburn's Fer.	22	294	Whittock river	20	532
Cheſter	9	16	Freneaux	12	306	New-river ferry	30	562
Brandywine	14	30	Williamſburgh	16	322	New-town on Ca.		
New-Caſtle	6	36	Hog-Iſland	7	329	Fear river	45	607
Elk-River	17	53	The Iſle of Wight			Lockwood's	15	622
North-Eaſt	7	60	court-houſe	18	347	Shallot river	8	630
Suſquehanna	9	69	Nanſemond	20	367	Eaſtern end of		
Gun-powder F.	25	94	Bennet's Creek			Long Bay	22	652
Petapſco Ferry	20	114	Bridge	30	397	Weſtern end of		
Annapolis	30	144	Edenton	30	427	Long Bay	25	677
Q. Ann's Ferry	13	157	Bell's ferry over			George-town	30	707
Upper Marlbro'	9	166	the Sound	8	435	Santee ferry	12	719
Port Tobacco	30	196	Bath-town on			Jon. Collin's	18	737
Hoe's Ferry	10	206	Pamlico river	45	480	Charleſton	30	767

Roads from *Philadelphia* to *Canada.*

FRom Philadel.			Staatſborough	11	191	Lake George	14	331
to N. York	97	97	Rynbeck	6	197	Ticonderoga	30	361
King's bridge	15	112	Schermerhorns	10	207	Crown-Point	15	376
Conklin's	12	124	Liv. Manor	14	221	Williſborough	20	396
Bernard's	12	136	Claverack	7	228	Fort St. John's	N.	
Peck's Kill	10	146	Kinderhook	13	241	end L. Cham.	68	464
Roger's High-			H. way houſe	10	251	Le Praire	15	479
lands	9	155	Albany	10	261	Montreal	6	485
Fiſh Kills	11	166	Saratoga	36	297	Trois Riveres	90	575
Poughkeepſie	14	180	Fort Edward	20	317	Quebec	80	655

Supreme Court of the United States.

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Surveyor-General, Daniel Broadhead, Eſquire.

Receiver-General, Francis Johnſon, Eſquire.

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Loan-Officers, Robert Smith, George Schloſſer, Eſqrs.

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Comptroller-General, John Nicholſon, Eſquire.

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Clerk, Hilary Baker, Eſquire.

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Edward Shippen, Eſquire, *Preſident.*

Plunket Fleeſon, Iſaac Howell, Lewis Weiſs, William Pollard, Robert M'Knight, Alexander Tod, Clement Biddle, Jonathan B. Smith, William Nichols, Matthew Irvine, William Ruſh, William Coates, Enoch Edwards, Jonathan Penroſe, Joſeph Wharton, Jacob Weaver, Joſeph Ferree, William Craig, Eſquires.

Prothonotary, James Biddle, Eſquire.

Commiſſioners, Evan Thomas, Andrew Geyer, Samuel Church, Eſquires.

County Treaſurer, John Baker, Eſquire.

Sheriff, James Aſh, Eſquire.

Coroner, John Leacock, Eſquire.

Mayor, Recorder, Aldermen, and Common Council-Men of the City of Philadelphia.

SAMUEL MILES, Eſquire, *Mayor.*
ALEXANDER WILCOCKS, Eſquire, *Recorder.*

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Hilary Baker,
George Roberts,
William Colliday,
John Baker,
John Barclay,
John Maxwell Neſbitt,
Gunning Bedford,
Joſeph Swift,
Joſeph Ball,
Francis Hopkinſon,
John Nixon,
Matthew Clarkſon,
Reynold Keen, Eſquires.

COMMON COUNCIL-MEN.

George Latimer,
Andrew Tybout,
John Stille,
John Wood, *Watch-maker,*
Robert Smith, *Merchant,*
John Dunlap,
James Pemberton,
Iſrael Whelen,
William Van Phul,
Miers Fiſher,
Jacob Schreiner,
Frederick Kuhl,
John Craig,
James Whiteall,
Thomas Bartow,
William Hall,
John Kaighn,
Nathaniel Falconer,
John Morton,
John D. Coxe,
John Wharton,
Iſaac Wharton,
Benjamin Chew,
David Evans,
Henry Drinker,
Thomas Morris,
Jared Ingerſol,
Edward Penington,
George Meade,
William Wells.

Anthony Morris, Eſq. *Clerk of the Corporation.*

Commiſſioners for lighting, watching, and paving the Streets.

Nicholas Hicks, William Govett, Hugh Roberts, Nathan Boys, Joſeph Claypoole.

City Surveyors, or Regulators.

Gunning Bedford, Thomas Nevel, James Pearſon, John M'Culloch, Joſiah Matlack, Joſeph Wetherel, John Connelly, David Rittenhouſe, Nicholas Hicks.

Alexander Carliſle, *High Conſtable.*

METEOROLOGICAL DIARY
In LONDON, for Nov. 1791.

By Mr. W. JONES, Optician, HOLBORN.
Height of the Barometer and Thermometer with Fahrenheit's Scale.

Days.	Barometer. Inches, and 100th Parts. 8 o'Clock Morning.	Barometer. Inches, and 100th Parts. 11 o'Clock Night.	Thermometer. Fahrenheit's 8 o'Clock Morning.	Thermometer. Fahrenheit's Noon.	Thermometer. Fahrenheit's 11 o'Clock.	Weather in Nov. 1791.
29	30 11	30 05	40	50	42	Fair ✓
30	29 99	29 93	42	47	43	Cloudy —
31	29 83	29 69	39	44	40	Fair ✓
1	29 61	29 57	40	44	36	Ditto ✓
2	29 46	29 36	36	41	35	Rain
3	29 33	29 37	36	41	37	Ditto
4	29 34	29 40	39	44	37	Ditto
5	29 43	29 67	40	44	32	Fair ✓
6	29 87	29 8●	33	40	31	Ditto ✓
7	29 91	29 86	26	33	30	Cloudy —
8	29 83	29 80	37	45	40	Ditto —
9	29 79	29 75	39	44	47	Rain
10	29 87	29 79	48	48	50	Ditto
11	29 74	29 48	40	49	44	Fair ✓
12	29 32	29 40	46	44	42	Rain
13	29 21	29 00	48	49	40	Ditto
14	28 87	29 ●0	49	53	43	Ditto
15	29 16	28 76	41	45	48	Ditto
16	28 72	29 95	43	48	40	Cloudy —
17	28 96	28 50	42	47	43	Rain
18	28 49	28 53	42	48	44	Ditto
19	28 57	28 98	43	47	42	Ditto
20	29 28	29 28	43	48	43	Ditto
21	29 30	29 51	44	48	40	Ditto
22	29 64	29 70	45	53	49	Fair ✓
23	29 75	29 34	48	53	48	Ditto ✓
24	29 54	29 46	49	53	46	Ditto ✓
25	29 44	29 66	49	52	44	Ditto ✓
26	29 66	30 01	46	50	48	Ditto ✓
27	29 92	29 64	46	51	52	Cloudy —
28	29 40	29 06	49	50	46	Rain

5 0C58

✓ fair days. eleven.
● Cloudy. seven.
rainy. the rest.